



சித்த மருத்துவ மைய ஆராய்ச்சி நிலையம், சென்னை - 600 106

सिद्ध केंद्रीय अनुसन्धान संस्थान,

अण्णा सरकारी अस्पताल परिसर, अरुम्बाक्कम, चेन्नई - 600 106

**SIDDHA CENTRAL RESEARCH INSTITUTE**

(Central Council for Research in Siddha, Ministry of AYUSH, Govt. of India)

Anna Govt. Hospital Campus, Arumbakkam, Chennai - 600106

Phone: 044-2621 4925, Fax: 044-2621 4809

Website : [www.crisiddha.tn.nic.in](http://www.crisiddha.tn.nic.in) / Email : [crisiddha@gmail.com](mailto:crisiddha@gmail.com) / [stores.cris@gmail.com](mailto:stores.cris@gmail.com)

### **TENDER NOTICE No.SCRI/08/2017**

Sealed tenders are invited from reputed Indian Manufacturer/ Foreign Manufacturer or authorized agents thereof under Two Bid System for supply of Scientific Equipments/instrument viz., **Desktop X-Ray Powder Diffractometer (XRD)**. For details such as Tender Fee, specifications, terms and conditions, procedures to be followed, and any amendments in prebid/technical bid opening dates and for tender documents please visit Website [www.crisiddha.tn.nic.in](http://www.crisiddha.tn.nic.in). The tender documents completed in all respects should reach this office at the above address on or before **25.01.2018 - 17.00 hrs**. The prebid meeting will be held on 29.12.2017 - 15 hrs and the technical bid will be opened on **29.1.2018 - 15 hrs**.

**Director (S) I/c**



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### **TENDER NOTICE No.SCRI/08/2017**

Siddha Central Research Institute (SCRI) is a Premier Research Institute under the Central Council of Research in Siddha, Ministry of AYUSH, Government of India, engaged in Siddha research. Sealed Tenders are invited by the undersigned in double bid system i.e. Technical bid and Commercial bid from the reputed Indian Manufacturer/foreign manufacturer and their authorized suppliers, National Small Industries Corporation Limited (NSIC) approved registered firms and in case of imported items from their authorized Indian agents for supply and satisfactory installation of following scientific instrument/equipment for our research laboratory. The Tender should be submitted in two separate sealed envelopes i.e. (i) Technical bid and (ii) Commercial bid. The details of technical specifications of the instruments/equipment should be provided in the cover marked as **“Technical Bid for-----”**. This envelope should also contain bank draft for the Tender Fee and Earnest Money Deposit. The cost of the instrument/equipment, percentage of CST/VAT, Excise duty, Customs duty should be clearly indicated in the commercial bid (marked **“Commercial Bid for -----”**). The commercial Bid should be submitted in sealed envelope in the cover indicating the name of the instrument/equipment.

The tender document is to be downloaded from website [www.crisiddha.tn.nic.in](http://www.crisiddha.tn.nic.in). **Tenders should be submitted with a DD for Rs.1,000/- (Rupees One Thousand only) in favour of Siddha Central Research Institute, payable at Chennai, towards the cost of each Tender document.** The last date for submission of filled in tender is **25.01.2017 at 17.00 hrs.** The technical/financial will be opened on dates as given above. The technical and commercial bids duly sealed in separate covers should be submitted in another sealed cover super-scribed as Tender due on \_\_\_\_\_ for supply of equipment (indicating the name of equipment) for each Instrument/equipment to The Director (S) I/c, Siddha Central Research Institute (SCRI), Arignar Anna Hospital Campus, Arumbakkam, Chennai-600 106 to be sent by post or in person only. The tender documents without tender cost for each equipment and EMD will be summarily rejected. The tender received after closing date/time will not be entertained. The Director (S) I/c reserves the right to accept/reject any or all tenders so received without assigning any reasons thereof.

**Director (S) I/c**



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### Tender Form

1. Tender Notice No. : **SCRI/08/2017-18**
2. Publication Date : 24.12.2017
3. Tender Fee : **Rs.1,000/- (Rupees One Thousand Only)**
4. Demand Draft No. : Date :
5. Name of the Firm / Company / Institution / Person to whom tender form issued (status disclosure form) : Page No.5
6. Item Services : Lab Equipment :
7. Date of issue of Tender **26.12.2017**
8. Last date & time of receipt of completed tender : **25.01.2018 at 17.00 hrs.**
9. Date & Time for opening of Tender : **29.01.2018**
10. Validity period of tender upto date : **31.3.2018**
11. Check List : Page No. 6
12. Tender Application : Page No.7-8
13. Instructions to bidders : Page No. 9-11
14. General Terms & Conditions of Contract / Bank Guarantee format : Page No. 12-18
15. Schedule of Requirement : Page No. 19
16. Price schedule to be filled up by the bidder for quoting prices : Page No. 19
17. Specification & allied technical details : Page No. 22-23
18. Technical Bid check list : Page No. 24-25

This tender form contains pages serially from 1 to 25.

**SL. NO.- 5**

**STATUS OF THE BIDDER/TENDERER**

(To be submitted along with technical bid)

- Name of the Bidder/Tenderer (in full) :
1. Whether a proprietary firm/ partnership firm/Pvt. Company Ltd./Public company Ltd./Trust or others :
  2. Company Registration No. :
  3. Authorities with whom registered :
  4. IT PAN No. / TAN No. :
  5. VAT No. / TIN No. :
  6. CST Reg. No. :
  7. Service Tax No. :
  8. Central excise Reg. No. :
  9. GST Registration No. :
  10. Name & Address of the Proprietor /Partners/ Directors/ Authorized Attorneys with full Address, Telephone No. and E-mail I.D. :
  11. Working experience of the organization: (In Brief)
  12. Resourcefulness /financial status :
  13. Name of the Bankers & Address with telephone Nos. :
  14. Infrastructure Facility available with the Tenderer :
  15. Notice of time required to attend the call/ complaint to remove the defects :

Note: **Copies of relevant certificates should be enclosed.**

**Signature & Name with Designation  
of Tenderer with Rubber Stamp**

**SL. No. - 11**

**(To be compulsorily filled by the Tenderers)**

**Tenderers should enclose the necessary documents as given in the Check List**

(To be submitted along with technical bid)

Sr. No.	Description	Vendors should put appropriate remarks against each item i.e. <b>Yes/No/Agreed/Not Agreed/Enclosed /Not Enclosed etc.</b>
1	Acceptance of General conditions of contract.	
2	Terms of payment as per enclosed sheet.	
3	List of Engineers & Staff available with the agency.	
4	Completion time ( 8 weeks)	
5	Rates are excluding of all taxes & duties i.e., Octroi, Service tax, VAT, etc. should be mentioned separately	
6	Rates are firm throughout the Contract Period.	
7	<b>Warranty of 3 Years (3 Years comprehensive) from the date of completion of the work, Installation and Testing of the Equipment</b>	
8	State whether Inspection / Final inspection & testing at works before dispatch of the materials agreed as per Tender.	
9	Inspection & testing at site as per Tender.	
10	The entire work will be carried out as per Technical Specifications given in tender.	
11	Whether the following documents are submitted along with tender?	
	a) List of Engineers to be placed at site for Installation / Testing.	
	b) Authorization letter from manufacturer	
	c) Layout Drawings	
	d) Tender book along with quotation.	
	e) Specification Compliance Statement.	
	f) Details of service set ups at Chennai.	
	g) List of similar works carried out during the last three years.	
	h) Catalogues and technical details of offered equipment.	
	i) EMD vide Demand Draft No.-----dated _----- _____ on -----(Name of Bank) payable at Chennai for Rs._____	
	j) List of users of model quoted with complete address.	
	k) Acceptance of penalty clause, risk purchase clause in case of default	
	l) Duly attested copy of the Registration Certificate with DGS&D	

**Signature & Name with designation of Tenderer with rubber stamp**

SL. NO. - 12

**TENDER APPLICATION FORM**  
**(To be submitted along with technical bid)**

To

Date :

The Director (S) I/c  
Siddha Central Research Institute (SCRI)  
Arignar Anna Hospital Campus, Arumbakkam,  
Chennai-600 106.

**Subject: Offer for supply, installation and testing of the tendered item**  
**No.\_\_\_\_\_ and training thereof - reg.**  
**Name of the Equipment : \_\_\_\_\_**

Dear Sir,

I \_\_\_\_\_ for \_\_\_\_\_ and on behalf of  
M/s. \_\_\_\_\_ wish to offer the Technical as well as  
Commercial/Financial Bid for participation in the Tender invited by the Institute for the  
designing, supplying and testing and installation of the above said item and state as under:

1. It is certified that the offered item is technically sound and satisfies the prescribed specifications of the item. The literature containing designing of the system with other details to satisfy the requirements of the item are attached herewith for perusal and ready reference for the purpose of evaluation.
2. It is certified that all the terms and conditions (General & Special) are acceptable to us and we agree to abide by all the said terms and conditions.
3. It is certified that we agree to keep this offer valid for a period upto \_\_\_\_\_
4. It is certified that the amount of EMD is remitted by Demand Draft bearing No. \_\_\_\_\_ dated \_\_\_\_\_ drawn in favour of Siddha Central Research Institute payable at Chennai, is attached herewith.
5. It is certified that the Technical Bid and Commercial/Financial Bid have been sealed separately and submitted with the Offer for consideration, evaluation and competition.

6. It is certified that the necessary agreement will be executed within 10 days on the non-judicial paper in token of acceptance and execution of the contract on the accepted terms and conditions of this tender.

7. It is certified that the bank guarantee for the amount equivalent to 10% of the total cost of the item shall be submitted in case 100% payment is claimed against the supply and installation/testing etc. for successful completion of the contract.

8. It is further certified that the offered item will be kept under the Comprehensive Warranty for 3 years and non-comprehensive warranty for 2 years from the date of successful installation and testing for all comprehensive risks and preventive maintenance thereof.

9. It is also further certified that the item will be kept under Annual Maintenance Contract at least for a period of 5 years after the expiry of the comprehensive & non comprehensive warranty period and the necessary consumable and non-consumable parts shall be made available for carrying out preventive maintenance and remove the defects. The reasonable Annual Maintenance Service charges should be indicated correctly in the Commercial Offer-Price Bid, attached separately.

Encl.: As above.

**Date:**

**Signature**

**Place:**

**Name**

**Stamp**



**SL. NO. -13**  
**INSTRUCTIONS TO BIDDERS**

1. **Technical Bid:** This should be sealed in a separate envelope marked **Envelope I** indicating on the cover Tender No. and product description. This envelope should include Tender Fee & EMD by two separate Demand Drafts, list of users of the product quoted along with adequate technical literature. No indications pertaining to price or commercial terms should be made on this envelope.
2. **Commercial Bid:** This should be filled up only in the form attached with the tender and signed and be sealed in a separate envelope marked **Envelope II** indicating on the cover Tender No. and product description.
3. The **Envelopes I and II** should be put together in a big envelope sealed and marked on the cover **Tender No. and product description**.
4. E.M.D./Tender Fee amount as mentioned against each item in the form of demand drafts drawn in favour of Siddha Central Research Institute payable at Chennai, must accompany. E.M.D. received after the specified due date shall not be accepted under any circumstances. E.M.D. of the unsuccessful bidder will be refunded soon after the tender is finalized (**Envelope-I**).
5. Incomplete specifications offered by the tenderer(s) will not be considered and are liable to be rejected.
6. The name of Indian Institution(s) where the similar work has been carried out may also be given along with full postal Address/Telephone/Fax/E-mail address of the clients. (**Envelope-I**).
7. Tender will not be considered/accepted, if it is sent by Fax.
8. Commercial bids of qualified technical bid found suitable/acceptable as per prescribed technical specifications as given in tender schedule will be opened only on a later date which will be informed by e-mail to the technically qualified tenderers.
9. The offers should be kept valid for acceptance for a period upto **31.03.2018**.
10. The Bank Guarantee equivalent to 10% of the contract cost (5% towards security + 5% towards performance), which is compulsory and will be required for five years after completion of the work of installation and testing of equipment.
11. The Director (S), SCRI., Chennai reserves the right to accept or reject any lowest tender in full or in part of any tender or all tenders without assigning any reasons.
12. Interim queries will not be entertained after submission of the bids.
13. The last date for receipt of tenders in SCRI is **25.01.2018 at 17.00 hrs**. Tender will be opened (Technical bids) at SCRI after due notification.
14. Late/delayed tenders shall not be considered under any circumstances.
15. Tenders without requisite EMD/Tender Fee shall be summarily rejected.
16. Work order will be placed and the same will be binding till the execution of necessary agreement will be compulsory.
17. The entire work of supply, installation, testing and commissioning of the instrument should be completed within a period of **8 weeks** from the date of opening of LC.
18. The prices quoted shall remain firm for the entire duration of the contract period and no revision in rates will be accepted. The tendered price should be quoted as the basic cost, without taxes and duties which may be indicated **separately**. Institute is exempted from the levy of Central excise duty and Customs duty at reduced rate as applicable to Central Government against form/certificate and authorized to pay Central sales tax at the reduced rate against form - D (Envelope-II).
19. The prices should be quoted only in the commercial bid form provided for in the tender document and nowhere else. (Envelope-II)

20. Technical/Price bids of Tender form should be filled in, signed with seal, failing which the tender will not be considered.
21. Exact, earliest and clear delivery period should be quoted. (Envelope-I)
22. Conditional offer will not be accepted and liable to be rejected without any further reference.
23. The tenderers should please note that Tender Form should be filled in separately for each item and the rates submitted accordingly.
24. The successful bidder should undertake to extend the validity of the bank guarantee, if offered as security deposit and performance guarantee, in case, the tendered work is delayed beyond the validity period of the bank guarantee.
25. Any correspondence regarding reduction in price, unless asked for, after opening of tender enquiry will not be entertained at all and their tender will be liable for rejection.
26. The tenderer should attach a copy of the power of attorney in respect of the person who attends the tender opening, further follow-up work and also who is authorized to sign tender, agreement and other relevant documents thereof . (Envelope-I).
27. The tenderer should invariably quote a list of documents enclosed along with the tender and the list should be duly signed by the authorized person. (Envelope-I)
28. No price escalation on any account shall be taken into consideration.
29. Penalty class for delay in supply and installation will be 0.5% per week limited to maximum of 10% of the total price.

**Very important Instructions to be followed by the Tenderers:**

- i The Commercial Bid should be submitted in a s e p a r a t e sealed cover addressed to The Director (S) I/c, Siddha Central Research Institute (SCRI), Arignar Anna Hospital Campus, Arumbakkam, Chennai-600 106, along with the tender documents.
  - ii Full address and name of the tenderer with contact telephone nos. should be indicated on the envelope.
  - iii The cover should also bear the Tender number, the last date and time of submission of Tender and the name of item tendered for.
  - iv The Tender is likely to be ignored in case above details are not furnished on the sealed Tender.
30. Wherever Tendered offer for an item is other than from manufacturer, such tender must be accompanied by letter of commitment from the manufacturers and M.O.U. executed duly between them on stamp paper that they would be supplying goods to the concerned trader/supplier in case trade supplier secured the order. (Envelope-I).
  31. Dates quoted in the Tender Forms shall be changed for next working day in case fixed date is suddenly declared holiday by the Institute/ Government.

32. The bidders must provide complete circuit diagrams, wiring diagrams, component layout diagrams, Service/Maintenance manuals and component identification catalogue along with equipment free of charge in case order is placed to them. Also supplier to provide Technical Maintenance/Service training at manufacturing unit or principal company to our Research Officers. All Expenses for travel, Accommodation etc. are to be borne by the supplier or company to whom order is placed

I/we have quoted prices for the tendered work after having read the above conditions as well as conditions stipulated in General and Special Terms and Conditions enclosed.

**Signature and Name with Designation  
Of Tenderer with Rubber Stamp**

**SL. NO.- 14**  
**GENERAL TERMS AND CONDITIONS OF TENDER**

**1.** Sealed tender will be received on the prescribed form in the office of the Director (S) I/c, Siddha Central Research Institute (SCRI), Arignar Anna Hospital Campus, Arumbakkam, Chennai-600 106, up to the date and time mentioned in the Tender.

The tender documents should be kept and sealed in an envelope while submitting to the Director (S) I/c SCRI with Tender No. and date of opening of the tender. Tender not submitted as per the above prescribed manner will be treated as invalid. All outstation tenders should be sent within time limits. Delay in postal delivery will not be condoned and Institute will not be responsible in any manner thereof.

**2.** Opening of Tender - The tenderer is at liberty to be present or authorize his representative to be present in the meeting of opening of Tender at the time and date specified in the Schedule. Only **ONE** representative will be permitted at the time of opening of tender.

**3.** In the event of the work order being placed against any of the tenderers and if the tenderer fails to undertake and execute the tendered work according to the terms and conditions of acceptance of tender or fails to replace the parts/material rejected by The Director (S) I/c or by the committee assigned for that purpose within such time as may be stipulated, the Director (S) I/c shall be entitled to get the tendered work through other suitable party. In such case EMD of defaulting party will be forfeited and difference of cost shall also be recovered from the defaulted tenderer and Bank Guarantee will be en-cashed.

**4.** Tender should be accompanied by Earned Money Deposit of the amount as indicated in Tender Notice (in Demand Draft) drawn in favour of Siddha Central Research Institute, payable at Chennai. The Earnest Money will be forfeited if the tenderer fails to complete the contract according to his tender, if accepted. Tender without Earnest Money will not be considered.

**5.** Successful Tenderer will be required to pay Bank Guarantee (Nationalized Bank)/ Demand Draft equivalent to 10% (5% towards security + 5% towards performance) of the price of the equipment to be executed after entering into an agreement for the performance of the contract. The Bank Guarantee should be valid for five years after the successful installation of the equipment.

**6.** Failure to comply with any of the conditions mentioned above will result in the quotations being summarily rejected.

**7.** The Director (S), I/c, SCRI, reserves the right to accept or reject any of the offer without assigning any reason thereof.

Any of the disputes arising between the Supplier/Tenderer and the SCRI shall be resolved by the sole arbitrator who will be appointed by mutual consent of both the parties thereof failing which one of the Research Officers of SCRI in Chennai shall be appointed within 30 days from the date of cause of action of dispute and the award as may be given by the sole arbitrator shall be binding on both the parties within the Civil Jurisdiction of Hon'ble High Court of Chennai.

**12) Terms & Condition of Payment:**

**a) For the tendered work of supply, installation, testing of the Equipment:**

i) 90% of the tendered cost will be paid on the supply of complete equipment/part/material at work site of Siddha Central Research Institute, through usance L/C.

ii) Remaining 10% of the tendered price will be released/paid after successful execution and completion of the work and after successful commissioning and having trial run of the equipment.

**b) For comprehensive and non-comprehensive Annual Maintenance Service Contract for a period of 3 years, starting after completion of 3 years comprehensive warranty period and 2 years non-comprehensive:**

i) No advance payment towards Annual Maintenance Service will be made.

**13)** The tenderer should note that the entire Earnest Money Deposit shall be **forfeited** by SCRI if the Tender Offer is withdrawn after acceptance of the Bids and fail to execute the agreement within 10 days on acceptance of the Tender.

**14) SPECIAL CONDITIONS:**

**(A) THE SUPPLIER SHALL HAVE TO EXECUTE AN AGREEMENT ON THE PRESCRIBED NONJUDICIAL STAMP PAPER CONTRACT / AGREEMENT FOR SALE AND AFTER SALE WARRANTY OF INSTRUMENT / EQUIPMENT (AS PER ANNEXED DRAFT OF AGREEMENT).**

**(B) THE SUPPLIER WILL HAVE TO SUBMIT BANK GUARANTEE FROM A NATIONALISED/SCHEDULED BANK AS PER TERMS & CONDITIONS OF SCRI, CHENNAI TOWARDS PERFORMANCE SECURITY ON NON-JUDICIAL STAMP PAPER IN ACCORDANCE WITH STAMP ACT (AS PER ANNEXED DRAFT OF BANK GUARANTEE).**

#### **14 (A) AGREEMENT**

This agreement regarding the supply, installation and maintenance of

\_\_\_\_\_ made this day the \_\_\_\_\_ between The

Director (S) I/c, Siddha Central Research Institute (SCRI), Arignar Anna Hospital Campus, Arumbakkam, Chennai-600 106, hereinafter referred to as the First Party and M/s \_\_\_\_\_ and their agent M/s \_\_\_\_\_ herein after referred to as the Second Party respectively, which expression shall unless specifically excluded by or repugnant to the context include their heirs, Executors, Administrators, Legal Representatives and Assignees. The Second Party may nominate their agent if they so desire and inform the first party in writing about such appointment. It is further stipulated that notwithstanding any thing else in the agreement the second party, shall inform the first party in writing about the change of such agency. Further, the new agency shall remain bound by the present agreement irrespective of any agreement written or otherwise between the second party and its agents to which the first has not been a party in writing. It is further agreed that this agreement will be binding on both the parties.

a) This agreement concern the supply and installation of \_\_\_\_\_ equipment to be supplied by the Second Party according to the Order No. \_\_\_\_\_ issued by the First Party a copy of which is appended. Further, the equipment is to be installed by the Second Party according to the schedule agreed upon as stated below:

b) The Second Party agrees to supply the entire equipment within the agreed period after the execution of Contract Agreements. Further, the equipment will be supplied installed and handed over to the First Party in complete working order within a total period of Eight weeks after receiving the order.

While the First Party shall ensure that the needed infrastructure is ready before the arrival of equipment, the Second Party in the event of their failure to complete installation and set the instrument in working order in the stipulated time will pay penalty as per penalty clause to the value of the order. The Second Party will inform the First Party in writing intimating the reasons for delay in supplying and installing the equipment. The First Party at its sole discretion may consider waiver to the penalty for a period to be stipulated in writing.

c) Thorough inspection of the instrument will be carried out by the First Party only on completion of the entire job of installation and commissioning of the equipment.

d) Packing should be conforming to National/International standard and strong enough to avoid damage, pilferage, protection from rain water/moistures and other terms of deterioration during transit. Packing proposed to be employed should be clearly stated.

e) **Guarantee/Warranty:**

i) The Second Party Guarantees the entire equipment against defects of manufacture, workmanship and quality and components and undertake to take care of the latent defects.

ii) The Guarantee/Warranty shall be of comprehensive and on-site for a period of **THREE YEARS (3 Years Comprehensive Warranty)** starting from the date of satisfactory installation and handing over the equipment in full working order to the First Party. During this Guarantee/Warranty period, the replacement of any part(s) of the equipment or rectification of defects will be carried out free of cost. (i.e. cost of the part, labour, etc.)

iii) The Second Party shall guarantee that the number of occasion the equipment will be down will not be more than twelve times per year or thirty six days per whole year (365 days), whichever is less. Further, the Second Party will ensure that the downtime on any one occasion will not be more than three days (excluding holidays).

The Second Party will submit a Bank Guarantee/Bank's Deposit Receipt for 10% towards the execution of the agreement and the Bank Guarantee shall be valid for the period of **Five Years**. After receipt of the said bank guarantee, the First Party will return the EMD Deposit for Rs.1,00,000/- already submitted by the Second Party along with tender. The bank guarantee Deposit Receipt for 10% will be returned by the First Party to the Second Party duly discharged. The Second Party declares that the equipment being supplied is of the latest model and version.

**f) Training:**

The Second Party will provide literature of detailed applications and technical training regarding the working of the equipment to the nominees of the First Party at site, free of cost and charges thereof.

**g) Delivery :**

The Second Party, in the case of import, shall make arrangements to clear the equipment from sea/air port on arrival and deliver the equipment in good condition at the work site of the First Party and all expenses of transportation covering insurance from the exporters' warehouse to Chennai Sea/Airport and customs clearance charges shall be to the account of Second Party.

**h) Payment Terms :**

- 90% of the tendered cost will be paid by the First Party on the supply of complete equipment/part/material by the Second Party at work site of Siddha Central Research Institute, through usance L/C.
- Remaining 10% of the tendered price will be released/paid by the First Party after successful execution and completion of the work and successful commissioning and after trial run of the equipment.

Certified that I/we have read the above terms and conditions carefully and taken note of them for compliances and hereby accept all these terms and conditions laid down in the tender from Sl. No.1 including special conditions of the Tender.

**Signature**

**Name and designation of  
Tenderer with Rubber Stamp**



**14 (B) (STAMP PAPER SHOULD BE PURCHASED IN THE NAME OF ISSUING BANK)**

Ref: \_\_\_\_\_ Bank Guarantee No. \_\_\_\_\_ Dated: \_\_\_\_\_

To

The Director (S) I/c  
Siddha Central Research Institute (SCRI),  
Arignar Anna Hospital Campus,  
Arumbakkam, Chennai-600 106.

Dear Sir,

In consideration of Siddha Central Research Institute (SCRI) (Hereinafter referred to as SCRI which expression shall unless repugnant to the context or meaning thereof, includes all its successors, administrators executors and assignees) having entered in to Contract/Order No. \_\_\_\_\_ dated \_\_\_\_\_ (hereinafter called "the Contract" which expression shall include amendments thereto) with M/s. \_\_\_\_\_ having its head/registered office at \_\_\_\_\_ hereinafter referred to as "the Contractor" which expression unless repugnant to the context or meaning thereof, include all its successor, administrators, executors and assignees) and SCRI having agreed that the Contractor shall furnish to SCRI, for (scope of work) the \_\_\_\_\_ faithfully performance of the entire contract.

a) We (Name of the Bank) registered under law of \_\_\_\_\_ having head/registered office at \_\_\_\_\_ (hereinafter referred to as "the Bank" which expression shall unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and permitted assignees) do hereby any/all monies to the extent of Indian Rs. \_\_\_\_\_ (in figures) (Rs. \_\_\_\_\_ (in words) without any demur, reservation, recourse, contest or protest and/or without any reference to the Contractor. Any such demand by SCRI on the Bank by serving a written notice shall be conclusive and binding without any proof on the bank as regards the amount due and payable notwithstanding any dispute(s) pending before any Court, Tribunal, Arbitrator, or any other authority and/or any other matter or thing whatsoever as liability under these presents being absolute and unequivocal.

b) We agree that the Guarantee herein shall be irrevocable and shall continue to be enforceable until it is discharged by SCRI in writing. This guarantee shall not be determined discharged or affected by the liquidation, winding up, dissolution or insolvency of the Contractor and shall remain valid binding and operative against the bank.

c) The Bank also agrees that SCRI at its option shall be entitled to enforce this guarantee against the Bank as a principal debtor, in the first instance, without proceeding against the contractor and notwithstanding any security or other guarantee that Institute may have in relation to the Contractor's liabilities.

d) The Bank further agrees that SCRI shall have the fullest liberty without our consent and without affecting in any manner our obligations herein under to vary any of the terms and conditions of the said contract or to extend time of performance by the said Contractor(s) from time to time to postpone for any time or from time to time exercise of any of the powers vested in SCRI against the said Contract(s) and to forebear or in force any of the terms and

conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

e) The Bank further agrees that the guarantee herein contained shall remain in full force during the period that is taken for the performance of the Contract and all the dues of SCRI under or by virtue of the contract have been fully paid and its claim satisfied or discharged or till SCRI discharge this guarantee in writing, whichever is earlier.

f) This guarantee shall not be discharged by any change in our constitution, in the constitution of SCRI or that of the Contractor.

g) The Bank confirms that this guarantee has been issued with observance of appropriate laws of the country of issue.

h) The Bank also agrees that this guarantee shall be governed and construed in accordance with Indian laws and subject to the exclusive jurisdiction of Indian Court of the place from where tenders have been invited.

i) Notwithstanding anything contained hereinabove, our liability under this guarantee is limited to Indian Rs. \_\_\_\_\_ (in words \_\_\_\_\_) and our guarantee shall remain in force until \_\_\_\_\_ (indicate the date of expiry).

Any claim under this Guarantee must be received by us before the expiry of this Guarantee. If no such claim has been received by us by the said date, the rights of SCRI under this Guarantee will cease. However, if such claim has been received by us within the said date, all the rights of SCRI under this Guarantee shall be valid and shall not cease until and we have satisfied that claim.

In witness thereof, the bank through its authorised officer has set its hand and stamp on this \_\_\_\_ day of \_\_\_\_\_ 2017 at \_\_\_\_\_

Witness No. 1

(Signature)  
Full Name and Official  
Address (in legible letters)

Witness No. 2

(Signature)  
Full Name and Official  
Address (in legible letters)

(Signature)

Full Name, Designation

Official Address (in legible letters) with  
bank stamp

Attorney as per power of  
Attorney No. Dated:

**S. No.15:**

**Schedule of Requirement**

<b>Sl. No.</b>	<b>Name of Equipment</b>	<b>Quantity</b>	<b>EMD Rs.</b>
1	XRD	1 No.	1,00,000/-

**S.No.16:**

**Price schedule to be filled up by the bidder for  
Quoting prices (See Annexure at p.20-21)**

**S.No.17:**

**Specification & allied technical details  
(See Annexure at p.22-23)**

**Please use Annexure to be filled in words and figures of amount**

**SL.NO. 16**  
**COMMERCIAL OFFER**

**(To be submitted in a separate sealed cover)**

**SCHEDULE OF RATES AND QUANTITIES**

Name and place of works/supply: Siddha Central Research Institute (SCRI), Arignar Anna Hospital Campus, Arumbakkam, Chennai-600 106.

**TENDER NO. SCRI/08/2017-18**

Sr. No	Description of Item/Work	Quantity	Price/Unit	Total
		In Figures In Words	In Figures In Words (add the Word 'only' at end against each item)	USD
1.	<p>----- Specification as per (Technical Bid)</p> <p><b>(A) Price Cost</b> <b>(1)</b> Basic cost inclusive of Package &amp; Handling charges on F.O.B. <b>(2)</b> Duties &amp; Taxes <b>a)</b> Custom <b>b)</b> C.E.D. <b>c)</b> S.E.D. <b>d)</b> Sales Tax <b>(3)</b> Any other charges not Covered above</p> <p><b>(B) Service Cost</b> <b>(a)</b> AMC Charges per year for seven years beyond warranty period of three years. <b>(b)</b> Comprehensive <b>(c)</b> Engineer service charges without any spare part</p>	1 No.		

<p><b>(C)Terms and conditions for payment of charges including service tax</b></p> <p>a) -----</p> <p>b) -----</p> <p>c) -----</p>			
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1. Prices given above are firm with all duties and taxes as shown above separately (No revision in rates will be accepted)
2. Delivery within 8 weeks or earlier from the date of L.C. opening
3. We are bound by Tender Form Conditions and General Terms & Condition, stated in the accompanied form.
4. Any of the above item/spares/accessories can be modified/deleted/reduced in quantity from the above schedule at the sole discretion of The Director (S), I/c, SCRI, Chennai.
5. **Above prices are inclusive of 3 years comprehensive warranty & 2 years non comprehensive services for equipment free of cost for all above items**

**Signature of Tenderer (Seal)**

SL.NO. 17

Tender No. SCRI/08/2017-18

TECHNICAL SPECIFICATION OF XRD

Instrument type	:	Desktop / Bench top
Goniometer Geometry	:	Theta / Theta (or) Theta / 2Theta, Vertical Type
Max. Useable angular range	:	-3° to 145° in 2 Theta or more
X-ray Tube	:	Long Fine Focus. Cu anode with ceramic insulation
X-ray generation	:	minimum 30 kV, 10 mA or higher.
Detector	:	1-dimensional Detector (Linear or Curved). Minimum 2Theta angular coverage of the detector must be at least 4 degree or higher. The detector must be usable in fixed mode as well as scanning mode. Also it <b>should be able to use in both 0-Dimensional as well as 1-Dimensional mode.</b>
Mode of Operation	:	Step and Continuous
Step size	:	< 0.02° in 2Theta
Count time	:	Min 1 sec/step or less
Peak Position Accuracy	:	± 0.02° in 2Theta throughout the entire measuring range based on NIST reference sample. (Necessary documentary evidence in original must be furnished with the offer).
Achievable peak width	:	< 0.05° Data collected from the XRD must be capable of performing Rietveld based quantitative and crystal structure analysis (Necessary documentary evidence must be enclosed with the offer).
Sample Stage	:	Rotating sample stage with software controlled rotation Speed. At least 5 sample holder to be included in the offer. One silicon zero background sample holder to be included in the basic system.
Software	:	Software for smooth running of the XRD system along with data collection and data evaluation to be included in the basic system. Search Match software for Qualitative phase estimation based on database also to be quoted
Power supply	:	100 – 240 V, 50 / 60 Hz

Data acquisition system	:	<b>Preferably Built-in</b> with Windows operating System.
Interfaces	:	Min 2 USB and 1 LAN
Database	:	ICDD Powder Diffraction File Latest Version
Processing system	:	PC with Windows- 21 “Monitor and Color Printer” (A4).
Site preparation	:	2 Tonne split air conditioner with double booster stabilizer.
ON-LINE UPS	:	Suitable online UPS system to support entire system with a minimum of 30 minutes back up.
User List	:	User list for same configuration both in India & abroad
Installation and User Training	:	Installation and commissioning to be done at our institute free of cost. XRD manufacturer must provide necessary training to our users at site for free of cost
Warranty	:	36 months from date of installation.
AMC	:	Additional 2 years (Comprehensive)

CHECK LIST FOR DESKTOP X-RAY POWDER DIFFRACTOMETER

(To be submitted along with technical bid)

S.No.	Specification(s)	Provide the availability details (YES/NO)	If, Yes, Mention the details	If No, Mention the alternate availability
1	Goniometer Geometry : Theta / Theta (or) Theta / 2Theta, Vertical Type			
2	Goniometer Geometry: Theta / Theta (or) Theta / 2Theta, Vertical Type			
3	Max. Useable angular range: -3° to 145° in 2Theta or more			
4	X-ray Tube : Long Fine Focus. Cu anode with ceramic insulation			
5	X-ray generation : minimum 30 kV, 10 mA or higher.			
6	Detector: 1-dimensional Detector (Linear or Curved). Minimum 2Theta angular coverage of the detector must be at least 4 degree or higher. The detector must be usable in fixed mode/scanning mode and 0-Dimensional/1-Dimensional mode			
7	Mode of Operation: Step and Continuous			
8	Step size : < 0.02° in 2Theta			
9	Count time: Min 1 sec/step or less			
10	Peak Position Accuracy: ± 0.02° in 2Theta throughout the entire measuring range based on NIST reference sample. (Necessary documentary evidence in original must be furnished with the offer)			
11	Achievable peak width: < 0.05° Data collected from the XRD must be capable of performing Rietveld based quantitative and crystal structure analysis (Necessary documentary evidence must be enclosed with the offer)			



12	Rotating sample stage with software controlled rotation Speed. At least 5 sample holder to be included in the offer. One silicon zero background sample holder to be included in the basic system			
13	Software: Software for smooth running of the XRD system along with data collection and data evaluation to be included in the basic system. Search Match software for Qualitative phase estimation based on database also to be quoted			
14	Power supply: 100 – 240 V, 50/60 Hz			
15	Data acquisition system: Preferably Built-in with Windows operating System			
16	Interfaces: Min 2 USB and 1 LAN			
17	Database: ICDD Powder Diffraction File Latest Version			
18	Processing system: PC with Windows- 21 “Monitor and Color Printer” (A4)			
19	2 Tonne split air conditioner with double booster stabilizer			
20	Suitable online UPS system to support entire system with a minimum of 30 minutes back up			
21	User list for same configuration both in India & Abroad			
22	Warranty: 36 months from date of installation.			
23	Training: Free of cost at site			