

**SARDAR VALLABHBHAI  
NATIONAL INSTITUTE OF TECHNOLOGY  
SURAT – 395 007**



**NOTICE INVITING TENDER  
FOR SUPPLY & INSTALLATION OF MICROWAVE-ULTRASONIC-  
ULTRAVIOLET SYNTHESIS/EXTRACTION/REACTOR AND ACCESSORIES  
FOR APPLIED CHEMISTRY DEPARTMENT  
SVNIT, Surat – 395 007  
Tender No: ACD/DST-EMR/SKK/MUU-reactor/1746**

1. Last date & Time for Submission: **18.04.2019; 5.00 p.m.,**
2. Date/Time for Opening of Tender : **25.04.2019 (11:30 a.m.)**
3. Venue of Tender Opening at **Applied Chemistry Department, SVNIT, SURAT**

Dear Sir/Madam,

On behalf of the S. V. National Institute of Technology, offers are invited for the supply of ***Microwave-Ultrasonic-Ultraviolet Synthesis/Extraction/Reactor and accessories*** conforming to the specifications given in (Annexure-I):



## **S. V. NATIONAL INSTITUTE OF TECHNOLOGY SURAT – 395 007**

### **Tender Form**

1. Tender from issued to

M/s \_\_\_\_\_

\_\_\_\_\_

Nature of work: Supply, Installation and Training of Microwave-Ultrasonic-Ultraviolet Synthesis/Extraction/Reactor and accessories in Applied Chemistry Department, SVNIT, Surat.

2. Tender form fees : Rs. 500/- paid by DD in favor of “**Research and Consulting A/c’s, SVNIT Payable at Surat**”, must be enclosed with tender document.

By crossed Demand Draft No: \_\_\_\_\_ dated \_\_\_\_\_

Drawn on \_\_\_\_\_ payable at SVNIT

3. Tender Reference No: **ACD/DST-EMR/SKK/MUU-reactor/1746**

4. Earnest Money Deposit Rs. 25,000/- (rupees only)

By crossed Demand Draft No: \_\_\_\_\_ dated \_\_\_\_\_

Drawn on \_\_\_\_\_ payable at SVNIT

5. The Earnest Money of above amount will have to be paid by Crossed Demand Draft in favor of “**Research and Consulting A/c’s, SVNIT Payable at Surat**”, and enclosed along with the tender documents. EMD shall not bear any interest and without this amount. The tender shall not be considered. No correspondence in this regard shall be entertained.

6. Name of the Authority **The Director, S. V. National Institute of Technology,  
Surat – 395 007, Gujarat.**

## TENDER DOCUMENT

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Note:

1. Prospective Sealed Tender may submit their offers to **The Director, S. V. National Institute of Technology, Kind Attention: Dr Suresh Kumar, PI-DST-EMR, Applied Chemistry Department, Surat – 395 007, Gujarat, on or before 5.00 PM on 18<sup>th</sup> April 2019.**
2. Tender fee may be deposited to account section and a Xerox copy of receipt must be enclosed or demand draft of tender fee must be attached along with the tender documents.

## ANNEXURE - I

### SPECIFICATION FOR MICROWAVE-ULTRASONIC-ULTRAVIOLET SYNTHESIS/EXTRACTION/REACTOR AND ACCESSORIES

Item	Specifications		Quantity in Indian rupees
<u><b>Microwave- Ultrasonic- Ultraviolet Synthesis/ Extraction/ Reactor System and accessories</b></u>	Microwave Frequency	2450 MHz or better	<b>01</b>
	Material	Instrument should be made up of Industrial Grade Corrosion resistant Stainless Steel	
	Installed Microwave Power	1800W or higher	
	Microwave Output Power	1000 W or higher with automatic variable frequency control with an increment of 1 W.	
	Temperature measurement And Control	Instrument/reactor should be equipped with high precision sensor for recognition and control of operating temperature from 0°C to 300°C (+/- 1°C)	
	Display	Instrument/reactor should have acid resistant touch screen/digital screen	
	Monitoring	Reactor should be equipped with high resolution camera to monitor reaction	
	Stirring	Reactor should have mechanical and magnetic modes with controlling speed	
	Software	Reactor/instrument should have programme and consist with software for controlling and operating of power supply, speed, and etc.,	
	UV Light Setup	UV reactor should consist 254 & 365nm with a power of 300W or more wavelength options i.e., IR range	
	Ultrasonic condition	26-28KHz or higher version	
	Ultrasonic power conditions	0 – 800 W or higher version	
	Reaction flasks Volume of glass flask and accessories (25, 50, 100, 250, & 500 mL), Reflux condensing, water oil separator, T connector.	Reactor should have different volume of reaction flasks (25, 50, 100, 250 and 500 mL)	
	Reaction mode	Reactor should have facility for reflux condensing, water oil separator and T connector	
	Volume of Quartz Vessels	Reactor should be supplied with different volume of the Quartz vessels including, 25, 50, 100 & 250 mL	
	Safety	Reactor should be equipped with indicator for giving warning about temperature, cooling and power supply	
	Warranty	3 – 5 Years	

**II TERMS & CONDITIONS**  
**Please Fill-up the Following Details**

1. Mode of Delivery : F.O.R. SVNIT Basis Only
2. If delivery is Ex-godown/shop/show room the rate of packing, forwarding and freight charge etc. must be specified clearly. : \_\_\_\_\_%
3. Taxes : Exclusive / Inclusive
- (a) If exclusive, rate of
- (1) Sales Tax : \_\_\_\_\_%
- (2) Surcharges on S.T. : \_\_\_\_\_%
- (3) GST : \_\_\_\_\_%
- (4) Service Tax if any : \_\_\_\_\_%
4. Excise duty : Exclusive / Inclusive
- Rate of Excise duty, if applicable : \_\_\_\_\_%
5. Delivery Period **including installation**, : \_\_\_\_\_Days
- Commissioning, Testing & Training**
6. Payment : \_\_\_\_\_ Days after commissioning & Testing and  
Training of system
7. Validity : \_\_\_\_\_Days (more than 90 days)
8. Discount to Academic Institute : \_\_\_\_\_ %
- 9 Warranty : **5 Years Minimum**
10. Telephone No. :  
Fax No. :  
E-Mail Address :
11. Remarks :

**SIGNATURE OF THE PARTY WITH  
FULL ADDRESS & STAMP**

**NOTE:** Tender No., Date with due date and quotation for the item should be mentioned on your envelope.

## **SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT**

### **III General Terms and Conditions.**

1. A complete set of bidding documents must be downloaded from the institute web-site <http://www.svnit.ac.in> Non-refundable tender fee as specified in the bid document by way of demand draft have to be remitted with the bid in favour of **Research & Consulting A/cs, payable at Surat** with tender document. Without the tender fees being remitted, the tender will not be considered.
2. Bids will be opened in the presence of Bidders' representatives who may choose to attend on the specified date and time.
3. In the event of the date specified for the bid receipt and opening, being declared as a holiday for SVNIT, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
4. All bids must be accompanied by a **bid security (Earnest Money Deposit - EMD)** as specified in the bid document by way of demand draft, have to be remitted with the bid in favour of **Research & Consulting A/cs, payable at Surat** with tender documents.
5. EMD shall not bear any interest and no claim shall be entertained against the institute in respect of the same. EMD will be refunded on receipt of written request from the bidder by A/C Payee cheque only to the Bidder who does not qualify or receive the work order.
6. Tenders not accompanied by earnest money will not be considered and will be summarily rejected. As the institute is managed by an autonomous body and hence registration with the **State Government Store Purchase Department and Small Scale Industry shall not be the reason for exemption from EMD.**
7. The tender documents with earnest money deposited previously for any other tender will not be considered and in such case tender will be rejected.
8. The tenders received after due date will be rejected.
9. **In case of Two Bid Tender the envelope containing the commercial/Price bid shall be opened only after the appropriate satisfaction and verification of the Technical Bid, by the SVNIT tender committee.**
10. The bidder shall explicitly express the compliance to all the terms and conditions with the signature, along with official stamp on each page of the tender document.
11. 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.
12. In case of the authorized dealers quoting on behalf of manufacturers, a copy of certificate stating that the equipment being quoted by the bidder is on behalf of the concerned manufacturer and the manufacturer undertakes the responsibility to provide the after sales maintenance of the equipment must be enclosed without which bid will be rejected.
13. Consortium in any manner is not allowed in this Tender participation.
14. The bidder should clearly mention the after sales service facility/capability and provide the same during guarantee/warranty period.
15. The bidder shall arrange for repair/replace of the defective/worn out components of the equipment at this Institute premises during the guarantee period at purchaser's first instructions within stipulated Time. This

will be carried out at the cost of prospective Supplier and no charges whatsoever will be paid including Transportation, Courier Charges or T.A. and D.A. of the Service Engineer for the same.

16. Supplier is not able to rectify the defect or make the alternate arrangement within stipulated time limit.

Institute can get it rectified and the amount so spent will be deducted from security deposit plus 10 % of the expense made.

17. The rates shall be quoted separately for each item, stating the specific model& part-code no etc, including the standard items to be supplied with the unit. The detailed specifications, physical dimensions, guarantee period, after sale services, etc should be clearly stated.

18. The rate for individual equipment should be quoted in Indian rupees for all Indigenous goods. In case of imported equipment's/instrument the institute is exempted from the payment of Excise and Customs duty only against the DSIR certification No. **TU/V/RG-CDE (403)/2016** dated 21-02-2017 vide Government Notification No. 51/96. In case of foreign instruments, prospective Supplier should handle the custom clearance and transportation up to the destination i.e. SVNIT Surat, bearing all the cost for the same.

19. SVNIT being an Educational Technical Institute, the concession applicable in rates/Taxes under state/central govt. notification should be considered while quoting.

20. The institute CANNOT issue 'C' or 'D' forms. However, a certificate regarding the exclusive use of equipment/Instrument/services to be procured, for the purpose of teaching /research, can be issued if any concession in this regard be made available to the purchaser.

21. The bid shall be finalized on the basis of the **Net Amount in rupees** (including cost of the Installation, Packing, Forwarding, Transportation, ad valorem duty, Trainings, all **other Taxes. etc.**) F.O.R. on SVNIT, Surat.

22. The bidder must deposit a **Security Deposit** at a rate of **10%** of work order at the time of accepting the work order within 15 days of receipt of work order otherwise penalty of 2% of the work order will be charged for every week delay and delay of maximum 15 days will be allowed else order will be treated as canceled without any notice and vender will be **blacklisted**. **The contract will commence only after Security Deposit and penalty if applicable is deposited.**

23. The Security Deposit shall be in the form of Bank guarantee and will remain **valid for Three year of warranty period plus one month**. Failure on the part of the prospective Supplier to provide the services as per the terms and conditions in this document shall constitute a breach of the terms and conditions of the contract and will entail forfeiture of the security deposit solely to the discretion of the Director, SVNIT.

24. Security deposit shall be released only after the satisfactory completion of work, due if any and faithful performance of the work and after receipt of application from bidder for the same. No interest will be paid on security deposit, in case of any default on the part of the bidder, the security deposit will be forfeited and the decision of SVNIT authorities in this regard will be treated as final and abiding to the contractor.

25. Failure of the successful bidder to comply with the above requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security (EMD), in which event SVNIT may make the award to the next lowest evaluated bidder or call for new bids at the discretion of Director, SVNIT.

26. The prospective Supplier should clearly state the delivery period and time period required for installation and commissioning of the equipment/services, from the date of receipt of firm order. In

case, if prospective Supplier anticipates delivery of any or all items being delayed due to the reasons beyond his control, the prospective Supplier shall apply for suitable extension, stating the reason for the same and state his firm date of delivery. The Director, if feels suitable may extend the delivery date.

27. In case of delay of delivery of the unit beyond the stipulated / stated period, **a penalty of 1% (One percent) of total value of the ordered equipment** will be levied for each week of delay of part thereof.
28. The bidder may offer the Tender on their letter heads giving full specifications and references to the serial number of the item and schedule. **Bid must be written in ink, or typewritten, and correction, if any, should be attested. Pencilled quotations will not be accepted.**
29. Individuals signing the offers or documents connected with the contract must specifically state whether (s)he (they) is(are):
  - a. Signing as sole proprietor
  - b. Whether signing for the firm, and
  - c. In the case of companies or firms registered under the India partnership Act, the capacity in which (s)he(they) is (are) signing i.e. Secretary, manager, partner etc. or their attorney by production of document empowering him to do so.
30. Tender forms and schedules are not transferable.
31. Acceptance to abide by the conditions stipulated by the Director should be duly signed along with the offer. The absence of the acceptance of the conditions may result in the rejection of the offer.
32. The acceptance or rejection of the tender is left entirely to the discretion of the Director. The Director does not bind himself to accept the lowest or any tender and Director, reserves the right to split the tenders and place orders for the equipment covered by the lists on one or more tenders.
33. The Institute does not make payment in an advance against delivery/documents through Bank and hence, the prospective Supplier should specifically note that no advance payment will be made.
34. The Prospective Supplier warrants that the Goods supplied under this Contract are new, unused, of the **most recent or current models** and they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Prospective 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 SVNIT's Specifications) or from any act or omission of the Prospective Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
35. The Prospective supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to final destination as indicated in the Contract (In case of material damage, supplier have to bare all expenses/responsibility before material reaches to the final destination). The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
36. The tender should reach the SVNIT office on or before the last date and time specified earlier. Tenders received thereafter will not be considered, in any case.
37. The packing, marking and documentation within and outside the packages shall comply strictly with



such special requirements as shall be provided for in the Contract including additional requirements, if any, specified and in any subsequent instructions ordered by the SVNIT.

38. The Goods supplied under the Contract shall be fully insured by the bidder in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
39. The Prospective Supplier's request(s) for payment shall be made to SVNIT in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted. Also along with these documents, the **prospective Supplier shall have to obtain a satisfactory installation certificate from the Concern Department of SVNIT –only after which the bill may be processed.**
40. Payment shall be made in Indian Rupees only.
41. Deviation from any requirements, specification, terms and condition mentioned in the tender document will not be entertained and tender will be rejected.
42. **The Director reserves the right to reject any or all the tenders without assigning any reasons thereof.**
43. **The bid from the vendor who has received the work order for providing such service to SVNIT and was unable to provide the service, will be rejected.**
44. **The bid from the bidder who was found in fraud activity with SVNIT or on the name of SVNIT will not be allowed for bidding. The bid from such bidder will not be accepted and will be straight away rejected. Also the bid submitted in consortium with such bidder will be rejected and if such information is found later then the work order issued will be terminated immediately without any notice.**
45. **All prospective bidders should keep looking at the institute website for information concerning the changes/amendments on the website.** No claim of any nature on any ground on inadequate information or knowledge or misunderstanding or otherwise in such respects will be admissible, later on.
46. Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the prospective Supplier does not accept the correction of errors, its bid will be rejected and its bid security (EMD) may be forfeited.
47. **No Bidder shall contact the SVNIT authorities on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of the SVNIT, should be done in writing.**
48. Any effort by a Bidder to influence the SVNIT and its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.
49. Bidders shall not be under a declaration of ineligibility for any corrupt and fraudulent practices prosecuted by the court of law.
50. The tender, as quoted once shall be considered final. No change, alterations and modifications shall be permitted at a later stage. Incomplete tenders will be rejected without assigning any reason.
51. It is compulsory to attach all the mentioned and required documents at time of submission of tender. No additional attachment is permitted later on.
52. All documents along with tender form must be numbered. (1...n) and corresponding page number

must be entered in the pre-qualify sheet, no further clarification will be entertained.

53. The bid from the vendor or its sister concern or group of company who has been black listed at any Government organization / Semi-Government Organization / public sector etc. will be rejected.
54. The bid for OEM who has been black listed at any Government organization / Semi-Government Organization / public sector etc. will be rejected.
55. Defective equipment should be replaced by next business day.
- 56. The minimum validity period for the offer should be for 120 days.**
57. Successful bidder should raise the bill of the items actually installed, quantity shown in the tender document are for mere guideline and show approximate quantity.
58. In case of any dispute, the matter will be subjected to SURAT jurisdiction only.
59. The specification as mentioned must be listed explicitly in tabular form along with information of compliance/non-compliance/better feature than the standard specification required. The quoted specification must match the required standard specification. Better and higher specification may be given preference if found suitable.
60. The supplier should provide pre-dispatch inspection of working of instruments/ equipment at their works at their cost before dispatch and should incorporate the required changes, if inspector suggests.

**DIRECTOR, SVNIT**

#### **IV. DECLARATION**

I/We hereby declare that the terms and conditions of the Tender stated herein, and as may be modified / mutually agreed upon are acceptable and binding to me/us.

Name and Address of

Supplier/Manufacturer

Name and Signature of Tenderer

with Office Stamp

**Place:** \_\_\_\_\_

**Telephone No:** \_\_\_\_\_

**Fax Number:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Mobile No. :** \_\_\_\_\_

**Date:** \_\_\_\_\_