

UNIVERSITY OF KALYANI



Department of Chemistry

NOTICE INVITING E-TENDER

Tender ID showing at <http://wbtenders.gov.in> : 2017_UOK_129822_1

Tender Ref. No.: KU/NIET/EQP/KG/CHEM/2017-18/01

Dated: 20/09/2017

Online E-Tender is invited for the purchase of Dynamic Rotational & Oscillatory Research Grade Rheometer with temperature Controller and accessories for the SERB Sponsored Project of Dr. Kumaresh Ghosh, Department of Chemistry, University of Kalyani by the eligible vendors. Interested vendors may follow the instructions as given below for submission of their tenders under online mode:

General Specification of the items to be procured

A research grade rheometer is required for studying non-Newtonian flows, low viscosity structured fluids and thixotropic materials. The instrument should have digital interface for control, display, record of parameters and real time sensor data.

- Modes of operation: Oscillatory: Stress/strain sweep at fixed frequency, frequency sweep at fixed strain/stress, temperature sweep at fixed stress/frequency, superimposed stress/strain oscillation and steady shear, multiple frequency modes.
- Steady shear/Flow mode: Controlled stress/strain sweeps, temperature sweep at constant stress/shear, squeeze flow and pull off. Creep mode and stress relaxation mode are desirable.

Motor Technology

Motor Type	Brushless DC motor/ Drag cup motor
Bearing type	Air bearing/magnetic bearing
Minimum Torque (Rotation)	10 nNm or lower
Minimum Torque (Oscillation)	2.0 nNm or lower
Maximum Torque	200 mNm or better
Torque resolution	0.1 nNm or lower

Motor Dynamics

Angular velocity range (rotational speed)	10^{-7} to 300 rad/s or better
Frequency range	100 Hz to 10^{-7} Hz or better

Normal Force Measurements

Normal force range:	0.01 to 50N or better
Normal force resolution:	1 mN or less

Step time, rate (Change in velocity):	5 ms
Step time, strain:	10 ms
Displacement control/Sensing:	High resolution Optical Encoder
Displacement resolution:	50 nrad or less
Automatic gap control	Description on the mechanism and motor speed are required

Temperature Control

Temperature Control	Peltier type
Temperature range	-5 °C to 200 °C or better (To be controlled by water circulator)

Measuring systems:

Shear Viscometry/Rheology	<ul style="list-style-type: none"> Measuring cone made of stainless steel with dia. 20 mm, 4⁰ (1 number) Measuring plate made of stainless steel with dia. 8 mm and 20 mm (1 for each) <p>MUST BE QUOTED WITH THE SOLVENT TRAP COVER/HOOD TO AVOID ANY SOLVENT LOSS DURING THE EXPERIMENT</p>
---------------------------	---

Air Compressor:

- (i) Compact Oil free Air Compressor necessary for the Rheometer with tubing and connector
- (ii) Air purification membrane Air Dryer/filter to separate oil, particle and condensate

Software:

The system should be offered with user friendly software (original upgradable licensed version) to perform experiments, measurement and analysis including: inter-rheological conversion, integrated modeling/curve fitting, data reduction and handling protocols with special optional modules like master curve, intrinsic viscosity module, spectrum relaxation/retardation, molar mass distribution, squeeze flow rheology and extensional rheology modules, rotational with control stress/combination of csr and css, oscillatory with true strain/direct strain amplitude/control stress/combination of strain and css transient with creep(single/multi-level)/step-strain(stress relaxation) combination with any modes above – for e.g. combined transient and rotational or combined oscillatory and rotational.

Warranty

3 years comprehensive, on-site warranty.

Other necessary items

Online UPS	3 KVA online UPS with in-build isolation and at least 30 min battery backup at full load
------------	--

Desktop Computer	Compatible branded desktop computer with following specification must be coated: Intel core i5 processor with compatible Intel cheapest motherboard 4 GB DDR 3 RAM or better 1 TB HDD 17 inch LED monitor Genuine Windows OS 10
------------------	--

Other Conditions:

1. Price must be quoted in foreign currency.
2. Equipment must be of International standard.
3. Service centre must be located in Kolkata.
4. Quotation must be submitted by the manufacturer or his authorized dealer having registered office in India.

Dates & Information:

Sl.No.	Activities	Date & Time
1	Date of uploading of N.I.T. Documents in the e-tender portal of NIC : https://wbtenders.gov.in	20 th September 2017
2	Documents download (online)	20 th September 2017 (from 5.30 p.m.)
3	Bid Submission Start Date(on line)	20 th September 2017 (from 6 p.m.)
4	Bid Submission Closing Date (Online)	9 th October, 2017 (up to 2 p.m.)
5	Bid Opening Date (Online) – Technical Bid	11 th October, 2017 (from 2 p.m.)
6	Date of uploading list for technically qualified bidder (online)	To be notified
7	Date of opening of Financial Bid	To be notified
8	Date of uploading of list of bidders along with the approved Rate	To be notified

1. General Instructions:

In the event of e-tendering, intending bidder may download the tender documents from the website: <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate (DSC) or from the University of Kalyani's website www.klyuniv.ac.in.

2. Submission of bids:

Both Technical bid and Financial Bid are to be submitted concurrently duly digitally signed by the Company personnel who is in the pay roll of the Company (having Authorization from the Company management) in the website <http://wbtenders.gov.in>. All papers must be submitted in English language.

3. Time Schedules for the e-tender:

The Time Schedule for obtaining the Bid Documents, Pre Bid meetings, the submission of bids and other documents etc. will be as per the list provided in Clause No. 10 given below.

4. Eligibility for Quoting:

Manufacturers or Dealers/Distributors/Agents duly authorised by the manufacturers who are able to supply the assured quantities as per requirement & have requisite Annual Average Turnover, as per clause no. 6, are only eligible for quoting. Manufacturers not having the capability to supply the required quantity solely need not apply. Failure of submission of declaration of full supply will lead to cancellation of tender.

Further, vendors who were declared black listed and/or insolvent by any Govt. Concern/any Institutions in the Country for particular item or items are not eligible to participate in the current tender for that item or items.

5. Annual Turnover Requirements:

Vender having average annual Turn Over for last three financial years is more than Rs.1 Crore in India or equivalent foreign currency in the respective foreign country for the year 2013-14, 2014-15 & 2015-16 are eligible to participate in the Tender.

6. Submission of Tenders

7.1 General process of submission

Tenders are to be submitted online through the website stated in Clause 1. All the documents uploaded by the Tender Inviting Authority form an integral part of the contract. Tenderers are required to upload all the tender documents along with the other documents, as asked for in the tender, through the above website within the stipulated date and time as given in the Tender. Tenders are to be submitted in two folders at a time, one is Technical Bid and the other is Financial Bid .The tenderer shall carefully go through the documents and prepare the required documents and upload the scanned documents of originals in Portable Document Format (PDF) to the portal in the designated locations/folders of Technical Bid. He needs to fill up the BOQ in the designated cell and upload the same in designated location of Financial Bid. The documents uploaded are virus scanned and digitally signed using the Digital Signature Certificate (DSC). Tenderers should specially take note of all the addendum/corrigendum related to the tender till the bid submission ends. Tenderers should in general upload the latest documents as part of the tender, however, in case of failure in uploading such documents, it will be deemed that they (tenderers) have taken note of such latest documents including addendum/corrigendum, if published till the bid submission ends.

7.2 Technical Bid

The Technical Bid should contain scanned copies and/or declarations in the following standardised formats in two covers (folders):

I. Technical File (Statutory Cover) containing:

1. Annexure –

- a) Basic Information (Vide Annexure I) *(to be submitted in “Annexure” folder)*
- b) Application for Tender - (Vide Annexure II) *(to be submitted in “Annexure” folder)*
- c) Authorization letter - (Vide Annexure III) *(to be submitted in “Annexure” folder)*
- d) Affidavit Proforma - (Vide Annexure IV) *(to be submitted in “Annexure” folder)*
- e) DECLARATION ON NIT - (Vide Annexure V) *(to be submitted in “Annexure” folder)*

2. Technical details of the Items Quoted (Bidders must submit Technical specification along with Catalogue of the item quoted in “**Technical Details**” Folders.

3. Bidder must submit Audited Balance Sheet and Profit and loss Account for last 3 (three) financial year namely 2013-14, 2014-15 & 2015-16 in “**Accounts**” folder.

II. My Document (Non-Statutory Cover) containing as follows:

Sl. No.	Category	Sub-Category	Sub-Category Description
1	Certificates	Certificates	PAN Card of the Bidder
			GST Registration Certificate
			Manufacturing Authorisation/ Manufacturing Certificate
2	Company Details	Company Details 1	Trade Licence/Enlistment Certificate
			Registration with Registrar of Companies
			Memorandum of Articles for Limited Companies.
3	Credential	Credential 1	a) Copy of the purchase order for supplying Similar nature of items at least for last 2 years in an Institute of Higher Learning b) Brief User List preferably for users in West Bengal in an Institute of Higher Learning
4	Financial Information	Payment Certificate 1	Income Tax Returns submitted for the Assessment year 2013-14
			Income Tax Returns submitted for the Assessment year 2014-15
			Income Tax Returns submitted for the Assessment year 2015-16
		Payment Certificate 2	VAT/CST Returns (of the last quarter) for the year 2013-14
			VAT/CST Returns (of the last quarter) for the year 2014-15
			VAT/CST Returns (of the last quarter) for the year 2015-16

7.3 Financial Bid

The Financial Bid should contain the following document in one cover (folder):

Bill of Quantities (BOQ): The tenderer should fill-up the designated cell as marked by the University in the BOQ sheet.

7. The tenderers are not required to submit hard copies of Technical File (Statutory) or My documents (Non-Statutory). Submission of hard copy of Financial Bid is strictly prohibited and only be submitted through on line through NIC portal.

8. Evaluation of the tenders

During the tender evaluation process, the “Technical Bid” will be opened first. Those Bidders who have qualified in respect of the essential & other requirements in “Technical

Bid” will be identified and their financial bid will be opened. The financial bid of those Tenderer failing to meet the technical & other requirements laid down in the tender will not be opened and be rejected. The Tenderer offering the item found suitable and as per the tender specifications will only be selected. Final selection of the lowest bidder in respect of Financial Bid is subject to further verification. The Financial Bids of only those tenderers who have been considered as Technically Qualified will be opened. If found suitable in the context of above pre qualification etc, the Tenderer quoting the lowest rate will be considered as successful.

9. TERMS & CONDITIONS REGARDING PURCHASE POLICY OF TENDERING AUTHORITY:

9.1 Bid Information:

Bid Information:

- a) **Bidder must quote in any Currency as given in the BOQ except in INR. Partial quotation within an item or Quotation in INR will not be considered and the tender may be rejected in that case.**
- b) The rate quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- c) **Bidder must follow the instruction for filling up BOQ as per Clause 7.3.**

9.2 Evaluation of Quotation: The Purchaser will evaluate and compare the quotations determined to be substantially responsive stage wise. Firstly, Technical Bid will be evaluated based on and thereafter Price Bid for technically qualified bidders will be evaluated for selection of vender.

9.3 Award of Contract: The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive both technically and commercially for both the equipments. Purchaser reserves the right to reject any or all the tender, wholly or partly, without assigning any reason thereof and shall not be bound to accept the lowest bid.

9.4 Warranty: The vendor shall be fully responsible for the comprehensive onsite warranty in all respect of the equipments, accessories etc. including spares and services for a period of at least three years from the date of installation. Warranty will be effective from the date of joint installation Report.

9.5 Adequate support service facility: The bidder/manufacturer should have adequate service support centre in Kolkata for any emergency breakdown/fault offering facility within 48 hours and should be agreeable to provide AMC facility after the warranty period.

9.6 Training Facility: User training regarding the operation of the equipments shall be arranged by the supplier/vendor at no extra cost.

9.7 Manufacturer’s Authorisation: Document in support of Manufacturer/Dealer and Service Provider has to be submitted along with the tender paper. If the bidder is not the manufacturer, proper manufacturer’s authorization and warranty from manufacturer is required and in this case bidder should have full- fledged registered office in India.

9.8 Credentials: Documents of supplying similar items in last two previous years in an Institute of Higher Learning must be submitted along with the tender.

9.9 DSIR Certification: University of Kalyani possesses the privilege for availing the facility of procuring items at Concessional Customs Duty and without incurring any excise duty as per DSIR certification.

9.10 **Make & Model:** Bidder must mention Make and Model in the Information Sheet as given vide Annexure-I and must send the product details/catalogue/brochure in the “**Technical Details**” folder.

9.11 **Time Schedule:** The supply and installation work must be completed within 30 days from the date of receipt of the purchase order.

9.12 **Validity of offer:** A bidder should spell out in the tender that it shall remain valid for a minimum period of three months from the date of opening of the tender and during this period, the bidder shall not be entitled to revoke or cancel its offer.

9.13 **Place of delivery:** Department of Chemistry, University of Kalyani, Kalyani -741235.

9.14 **Payment Schedule :** Payment be made after delivery and installation of the items.

9.15 **Performance Security:**

Successful bidder should deposit Performance Security money equivalent to the 10% of the order value in the form of **DD/ suitable negotiable instruments as to be decided by the University** immediately after issuing purchase order from the University. Such security will be refunded after completion of the warranty period in normal case without any accrued interest. University may forfeit the Security Money in the event of the following circumstances:

- i) Selected bidder withdraws the bid before expiry of its validity but after receipt of the Purchase Order.
- ii) Selected bidder does not accept the order after issuing the same or fails to enter into a contract within validity period of offer.
- iii) Selected bidder fails to supply the items within the scheduled time as specified in the Purchase Order
- iv) If before expiry of the warranty period, the supplied items break down or do not function satisfactorily due to the cause related with the item itself or for its installation and not for any reason caused by the University Authority and the supplier denies to take the responsibility to make the supplied items in order.
- v) In case of any false submission /statement by the bidder
- vi) In case of any refusal to abide by terms and conditions or refusal to enter into a written agreement as per prefixed terms and conditions

9.16 **Quantity Changeability:** Quantity as stated in the tender document may subject to change at the time of issuing purchase order due to the fund crunch or for other valid reasons.

9.17 **Requisite Documents to be submitted:** Bidder must have adequate documents relating to Trade License and updated returns for Income Tax, VAT, Audited Statement of Accounts and other documents as sought for under Clause 6.2.II of this tender.

9.18 **Turnover Criterion:** Bidder must have average annual turnover of more than **Rs.1** Crore in three financial year ending 2015-16.

9.19 **Disposal of Disputes:** In case of any dispute, the University’s decision will be treated as the final and conclusive. All legal actions are subject to Kolkata jurisdiction only.

9.20 **Conversion of FC Rate:** Generally, the West Bengal Government Portal is equipped enough for conversion of Foreign Currency (FC) rate into INR. In case of any problem arising

out of the West Bengal Government Portal for e-tender regarding the conversion rate against foreign currencies quoted by the bidders in the BOQ, the conversion rate as existing in the official website of the Reserve Bank of India (RBI) as on the date of opening the Financial Bid will be considered for Financial Bid Evaluation.

Discretion of the University:

9.21 University may take decision about non-purchase of the said equipment even after selection of vendor due to its fund constraints.

9.22 University may seek documents from the bidder in addition to the scanned documents sent by them at the time of uploading technical bid for verification and evaluation of tender.

9.23 University reserves the right to relax any clause as stated hereinabove for selection of responsive vendor.

10. Opening the financial bid as per schedule will BE NOTIFIED LATER ON.

Financial bid can be seen & accessed by the bidder through the NIC Portal on line after opening of financial bid on line. No objections raised by any Bidder in this respect will be entertained by the University. No informal tender will be entertained in the Bid further.

11. During the scrutiny, if it comes to the notice to tender inviting authority that the credential or any other paper found incorrect/ manufactured/ fabricated, that bidder would not allowed to participate in the tender and that application will be rejected outright without any prejudice.

12. The Tender Selection Committee reserves to right to cancel the N.I.T. due to unavoidable Circumstances and no claim in this respect will be entertained.

Annexure I

FURNISHING BASIC INFORMATION

(To be furnished in the Company's official letter pad)

1.	Name of the Bidder	
2.	Address for Communication	
3.	Contact Number(s)	
4.	E-mail ID	
5.	Trade License No. (Please enclose copy of Trade License)	
6.	PAN(Please enclose copy of PAN Card)	
7.	GST No.(Please enclose copy of GST)	
8.	Do you have previous experience for supplying similar nature of Items at Educational Institute of Higher Learning (Please enclose copy of Purchase order & user list, if yes)	Yes/No (Please put tick mark)
9.	Annual Turnover as per Audited P/L ACCOUNTS & BALANCE SHEET	2013-14: Rs..... 2014-15: Rs..... 2015-16: Rs..... Average Annual Turnover: Rs.....
10.	Status of the bidder(Please enclose copy authenticating your status)	Manufacturer/Dealer/Distributer/Selling Agent/Stockiest (Please put tick mark)

I hereby declare that the above information is true and correct to the best of my knowledge and belief. In case of any false/wrong/misleading information, I shall be bound to take the decision taken by the University.

**Signature of the Bidder
(With Seal)**

Annexure II
APPLICATION FOR TENDER

(To be furnished in the Company's official letter pad with full address and contact no, E mail address etc)

To
Dr. Kumaresh Ghosh
Department of Chemistry
University of Kalyani,
Kalyani-741235,
Nadia, West Bengal

Sub: NIT for the purchase of **Dynamic Rotational & Oscillatory Research Grade Rheometer with temperature Controller and accessories** for the SERB Sponsored Project of Dr. Kumaresh Ghosh, Department of Chemistry, University of Kalyani

Ref: - KU/NIET/EQP/KG/CHEM/2017-18/01 **dated: 20/09/2017**

Sir,

Having examined the pre-qualification & other documents published in the N.I.T, I /we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me / us on behalf of
.....in the capacity duly authorized to submit the offer. The authorization letter from the Company is attached in Annexure II.
2. We accept the terms and conditions as laid down in the tender document vide **Clause 9** and declare that we shall abide by it throughout the tender period including its extensions, if any.
3. We have gone through the Tender Document thoroughly and quoted the tendered items keeping in mind all sorts of information as furnished in the tender document including Corrigendum/Addendum as published from time to time
4. We are offering rate for the following item /items with manufacturing capacity and assured supply to the University of Kalyani

Sl. No.	Description of Items	Make	Model No.	Quantity	Offer Validity

5. In the event of being selected, I will make the supply within the stipulated period excepting the condition which is beyond our control.

Date :-

Signature of applicant including title and capacity in which application is made.

Contact no:

E-mail address:

Postal Address:

Annexure III

(Authorization letter in favour of the applicant (other than Managing Director/ Proprietor/Partner) from the competent authority.)

FORMAT

(To be furnished in the Company's official letter pad with full address and contact no, E mail Address etc)

(TO WHOM IT MAY CONCERN)

This is to certify that Mr.(Name),
Employee of this Organisation as..... (Official Designation) is
Hereby authorised to submit tender online, Vide NIT No.....,
Dated on behalf of the Organisation.

Signature of the competent authority with Seal

.....

(Signature of the Authorised Person)

Signature of Mr.....

.....is hereby attested.

Signature of the competent authority with Seal

ANNEXURE IV

(Affidavit Proforma)

(To be furnished in Non – Judicial Stamp paper
of appropriate value duly notarized)

I, Sri/Smt.....

The Managing Director/Proprietor (etc.) of the Firm.
..... (Name of the firm)

At (address).....

Do hereby solemnly affirm and declare as follows:

1. That I have not ever been convicted of any offence making myself liable to be disqualified to supply of Chemicals / Equipments/other items to any Govt. or Govt. undertaking Organization /Institution in the State of West Bengal or other State or States.
2. That no case is pending against me or against my firm in any criminal court of law to supply of Chemicals, Lab. Chemicals & Laboratory Equipments and other items to the Govt. or Govt. undertaking Organization / Institution in the State of West Bengal or other State or States (If any case is pending, state the details).
3. That, I also declare that if any information subsequently found incorrect or false will it automatically render the tender submitted by me cancelled and make me liable for penal/legal action as per law of the country.
4. That my concern has not yet been declared bankrupt by any banking or money lending agency duly licensed by RBI nor has it been considered doubtful by any Government concern so far as the solvency of the organisation is concerned.
5. That I do further affirm that the statements made by me in this tender are true to the best of my knowledge and belief and all the documents attached are genuine & correct.

Deponent(s).

ANNEXURE V

(Affidavit Proforma)

(To be furnished in Non – Judicial Stamp paper
of appropriate value duly notarized)

DECLARATION ON NIT

(To be typed in company letter pad, scanned and uploaded)

I, the undersigned, do hereby declare that on behalf of my organization, I will comply all the formalities that are required to be complied as per NIT and I will observe all clauses of the NIT (including Terms & conditions).

In case of any non-observance of any clause(s) of NIT, my organization will be bound to follow the decisions taken by the University of Kalyani for taking decision related with the tender for which the said NIT was uploaded.

Full signature of the Person
(Designation with Seal)

Date:

Place:

[Validate](#)[Print](#)[Help](#)[Wise BoQ](#)

Tender Inviting Authority: Department of Chemistry , University of Kalyani

Name of Work: Dynamic Rotational & Oscillatory Research Grade Rheometer with temperature Controller and accessories for the SERB Sponsored Project of Dr. Kumaresh Ghosh, Department of Chemistry

Contract No: KU/NIET/EQP/KG/CHEM/2017-18/01

Bidder Name :										
PRICE SCHEDULE										
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)										
NUMBE	TEXT #	NUMBER	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Quoted in given Currency other than INR (Do not quote in INR)	BASIC PRICE ITEM WISE allowing Educational Discount, if any, for all Quantities In Figures To be entered by the Bidder (Basic Rate without Tax and Charges x No. of Quantity)	GST (Total for all Quantities Item Wise) (if any)	Any Other Taxes/Duties/Levies (Total for all Quantities Item Wise) (if any)	TOTAL AMOUNT of Taxes, Charges and Duties	TOTAL AMOUNT WITH TAXES	TOTAL AMOUNT In Words
1	2	4	5	12	13	15	17	53	54	55
1	Dynamic Rotational & Oscillatory Research Grade Rheometer with temperature Controller and accessories for the SERB Sponsored Project of Dr. Kumaresh Ghosh, Department of Chemistry (Detail Specification as per NIT)	1.0000	No	USD				0.00	0.00	USD Zero Only
Total in Figures								0.00	0.00	Zero Only
Quoted Rate in Words										