

SCHOOL OF CHEMISTRY

SAMBALPUR UNIVERSITY, JYOTI VIHAR-768019, SAMBALPUR, ODISHA

No. 108 /PGCH

Date: 18.5.2018

QUOTATION CALL NOTICE

Sealed quotations are invited from intending manufacturers/ dealers/ suppliers/ firms/ service providers, having valid GSTIN for supply of a Surface tensiometer, Sonicator, Temperature Controlled Circulatory Water Bath, Centrigue machine, Chemicals and Glasswares on or before 07.06.2018 up to 11 AM. The authority reserves the right to cancel the quotation without assigning any reason thereof.

A walk-in interview will be conducted for one senior research fellow for the TRIFED sponsored research project of Govt. of India.

The details of the advertisement can be obtained from the undersigned during office hour or may visit Sambalpur University website (www.suniv.ac.in).

Sd/-

Head, School of Chemistry

Memo No. 108(1) /PGCH

Date: 18.5.2018

Copy to:

- 1) Copy to the Editor of 'The Telegraph' and 'Samaj' with a request to publish this notification in their *Odisha circulation in minimum* size latest by 19.05.2018 and submit bill-in duplicate in favour of **Prof.(Mrs.)P.K.Misra, PI, TRIFED Project, School of Chemistry, Sambalpur University, Jyoti Vihar-768019, Odisha** as per Government approved concessional rate applicable to educational institutions along with full sheet of publication for payment.
- 2) Dy. Director, E-Governance, Sambalpur University to upload in the University website.


Head 18/05/18

School of Chemistry

Head

**School of Chemistry
Sambalpur University
Jyoti Vihar-768 019**

Details of Chemicals, Glasswares, Labwares and specifications of the instruments

Sealed quotations are invited from intending manufacturers/dealers/suppliers/firms having valid PAN and GSTIN for supply of a Surface tensiometer, sonicator, centrifuge machine and temperature controlled circulatory water bath. The sealed quotations should reach the undersigned on or before **07/06/2018** up to **11 AM** with the **discount rate (in percentage discount)** of chemicals, glasswares, labwares and equipments of each manufacturer. The quoted price of the instruments must be included delivery upto destination. The authority reserves all right, to cancel the quotation call without assigning any reason thereof. The detailed specifications of the instruments are as follows.

Chemicals, Glasswares and Labwares

1. Finar Chemicals
2. Merck (India)
3. Merck (Germany)
4. Spectrochem India Pvt. Ltd.
5. SRL Chemicals
6. Loba Chemicals
7. CDH Chemicals
8. Thermo Fisher Scientific
9. Acros-Organic
10. Sigma-Aldrich
11. Tarson Plasticware
12. Riviera
13. Borosil Glassware
14. Glassco

DETAILED SPECIFICATION OF TEMPERATURE

CONTROLLED CIRCULATORY WATER BATH

Bath volume	5 litre
Temperature Range	0 to 100 ° C
Temperature display	Digital
Temperature accuracy	±0.5 °C

Water bath should be provided with the two-silicone tubes to be connected with the instrument.

DETAILED SURFACE TENSIO METER

Compact table top design having the facility to measure temperature-controlled surface tension, interfacial tension, surface energy and contact angle by Ring as well as Plate methods with digital LCD display for results as well as sample temperature. The instrument must be microprocessor controlled and stand alone for its operation, with data transfer facility to PC. The instrument must be quoted with all the items it requires for its normal installation and operation in laboratory condition. The accessory items like PC and additional accessories, if any, should be quoted separately each and will be treated as optional items for comparison.

Technical Specification for measurement of surface tension:

Technical specifications	DESCRIPTION
Measurement method:	Both Plate and ring method
Surface tension range	1-900mN/ m or better
Resolution	0.1 mN/ m or better
Temperature Range	0-100°C
Accuracy	0.1 mN/ m or better
Software	The system should have suitable inbuilt software package for measurement of SFT/IFT fully automatically to measure: ·With ring and plate method in both the direction. It should be capable for saving the results file

Technical Specification for measurement of contact angle:

Technical specifications	DESCRIPTION
Measurement method:	Sessile drop method or any other method
Measuring range	0-180 deg
Resolution	0.1 deg
Repeatability	0.5 deg

The instruments may have the facility for up gradation. The specifications mentioned are the minimum specifications of the equipment. The minimum specifications are indicative and not exhaustive. Advanced models with better options/applications may also be quoted. The quoted materials should be of latest trend and technology.

DETAILED SPECIFICATION OF BATH SONICATOR

Microprocessor controlled Bath Sonicator having the minimum following specifications

- Tank capacity \geq 1.5 litre
- Microprocessor controlled timer and power
- Minimum output: \geq 100 Watts, Frequency: \geq 50 kHz.
- Frequency & adjustable pulse tuning system.

DETAILED SPECIFICATION OF CENTRIFUGE MACHINE

Timer	0 - 59 min
Maximum speed	10000 rpm or more
Speed indicator	Digital
Rotors	(i) 6 x 15ml (ii) 24 x 2 ml

All the above specifications should be mentioned in printed literature of manufacturer and quoted company must have factory trained experienced engineer in Indian service station.



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