

# **Cotton College State University**

**College Hostel Road**

**Panbazar, Guwahati**

**Pin-781001**

**Assam**

**Phone & Fax No- 0361-2733530**

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**Detailed Tender Notice**

**No. 3 of 2015-16**

**For Supply of**

**I) UV-Visible Spectrophotometer**

**II) Rotary Evaporator**

**Issue of tender document starts on: - 02.02.2016**

**Closes on: - 08.02.2016**

**Submission of tender closes at 15.00hrs on 08.02.2016**

**Opening of tender at 16.00hrs on 08.02.2016**

# COTTON COLLEGE STATE UNIVERSITY

PANBAZAR, GUWAHATI – 781001, ASSAM, INDIA

No: - CCSU/S&P/2016/013/3/

Date: -

## Notice inviting Tender- 3 of 2015-16

Cotton College State University invites Tender for supply of

- 1) UV-visible Spectrophotometer
- 2) Rotary Evaporator

from Vendors/ suppliers for setting up the Chemistry Lab,

1. Detail NIT can be downloaded from the university's website [www.ccsu.ac.in](http://www.ccsu.ac.in)
2. The Tender documents should be submitted latest by 15:00hrs on 8<sup>th</sup> February, 2016 in a separate and sealed envelope clearly super-scribed on the top of the envelope as "APPLICATION for SUPPLY OF UV-VISIBLE SPECTROPHOTOMETER" and/or "APPLICATION for SUPPLY OF ROTARY EVAPORATOR" to "The Registrar, Cotton College State University, Panbazar, Guwahati-781001".

*SJR*  
Registrar

Memo No: -CCSU/S&P/2016/013/3/4839-43

Date: - 30.01.16

Copy to:-

1. P.S. to V.C for intimation to the Honourable V.C.
2. O.S.D for kind information.
3. Store Officer (i/c) for kind information.
4. Dr. Basanta Kr. Rajbongshi, Assistant Professor, Chemistry Department, CCSU
- ✓ 5. System Manager for uploading it in the website.
6. Office File.

*SJR*  
Registrar

Cotton College State University

Panbazar, Guwahati

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# COTTON COLLEGE STATE UNIVERSITY

PANBAZAR, GUWAHATI – 781001, ASSAM, INDIA

## Detailed Tender Notice -3 of 2015-16

CCSU/S&P/2016/013/6/ 5068

Date:- 2/2/16

Cotton College State University invites Tender for supply of

- 1) UV-visible Spectrophotometer
- 2) Rotary Evaporator

from vendors or suppliers who fulfil the eligibility criteria provided herein.

### 1. Pre-Qualification Criteria and submission requirements of Applicants:-

The Vendors or suppliers who express interest in supplying any item(s) to CCSU should meet the minimum following terms and conditions and criteria:-

- 1.1. The applicant should have Valid Trade License for the current year 2015-16.
- 1.2. Rates should be calculated exclusive of taxes and duties.
- 1.3. Supplier can be a manufacturer or an authorised agent of manufacturer. Authorised agent of manufacturer should produce valid supporting documents as proof.
- 1.4. Correct information like VAT/CST/TIN No, Trade License No, and PAN no has to be furnished by the vendors/suppliers.
- 1.5. The sealed envelope containing the Application Form, documents should be clearly super-scribed on the top of the envelope as “**Supply of UV-Visible Spectrophotometer**” and/or “**Supply of Rotary Evaporator**” wherever applicable should be submitted to “**The Registrar, Cotton College State University, Panbazar, Guwahati-781001**”.
- 1.6. On receipt of the Application Form along with the requisite documents and rates as mentioned above, selection of the vendors/suppliers will be taken place after proper scrutiny.
- 1.7. CCSU reserves the rights to accept, consider or reject any or all applications without assigning any reasons thereof. The decision of CCSU in respect of registration of parties will be intimated by office order and shall be final. All disputes in this connection shall be settled in Kamrup metro jurisdiction only.
- 1.8. Successful tenderer has to sign an agreement in “100 Rupees Stamp Paper” along with earnest money, 2.5% of the tendered value. Applications incomplete in any respect, viz. non-submission of any required document or information are liable for rejection.

**COTTON COLLEGE STATE UNIVERSITY**  
PÁNBÁZAR, GUWAHATI – 781001, ASSAM, INDIA

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**2. Item Description:-**

Sl. No.	Particulars	Specification	Required Quantity
1	UV-visible Spectrophotometer	As per Annexure-I	1
2	Rotary Evaporator	As per Annexure-II	1

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## Application Format for Vendor/Supplier

1. Name of the Vendor/Supplier

2. Address

Telephone No

Commercial Information Registration (Enclose Attested Copy wherever Applicable)

VAT/TIN/CST No

Trade License No

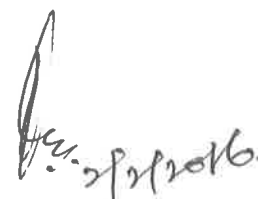
PAN

Sl. No.	Description of Item	Quantity	Make	Quoted Price (in figures and words)
1	UV-visible Spectrophotometer	1		

### DECLARATION BY VENDOR

The information furnished is correct to the best of my knowledge and belief.

(Signature of Applicant) with stamp



Registrar (i/c)

Cotton College State University  
Panbazar, Guwahati  
Pin: - 781001

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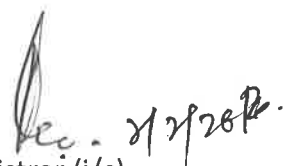
PAN

Sl. No.	Description of Item	Quantity	Make	Quoted Price (in figures and words)
1	Rotary Evaporator	1		

**DECLARATION BY VENDOR**

The information furnished is correct to the best of my knowledge and belief.

(Signature of Applicant) with stamp

  
Registrar (i/c)

Cotton College State University  
Panbazar, Guwahati  
Pin: - 781001

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## Annexure-I

### Technical Specifications for UV-Visible Spectrophotometer:-

Wavelength	190 – 1100nm
Bandwidth	Minimum 1.0 nm
Optical System	Double beam, Single monochromator with 1200 lines/ mm Grating
Light Source	D2 and Tungsten
Wavelength repeatability	±0.1nm
Wavelength Accuracy	± 0.2nm
Photometric range	-3 ~ 3 Abs
Photometric Modes	Abs, %T, %R
Stray Light	0.02%T
Wavelength Scan Speed	10 - 8000 nm / min
Wavelength Slew Speed	24000 nm / min
RMS Noise	0.00004 Abs
Photometric accuracy	±0.0015 Abs [ 0 to 0.5 Abs]
Photometric repeatability	±0.0005 Abs [ 0 to 0.5 Abs]
Detector	Silicon Photodiode
Control	By Remote Module and Computer through USB port
Control	By Computer through USB port
Software	Spectrum, Quantitation, Time scan, Derivative up to 4Th order, Peak area calculations, Point peak of user choice point, Arithmetic calculation. Multi wavelength Abs / % T up to (8 wavelength, Measurement, Validation, Enzyme Activity Analysis and upgradeable to colour and Band Gap Analysis & Film thickness Measurement etc.)
Miscellaneous	Quartz cuvette -1 Pair, 3.5 ml , 10mm path length Holmium Glass, Fuse, Instruction Manual, Screw Driver, certificate of Inspection, Software in CD, USB cable, Power cable

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## Annexure-II

### Technical Specifications for Rotary Evaporator:-

Detail technical specification of Rotary Vacuum Evaporator with Diaphragm Vacuum Pump and Digital Vacuum Controller and Re-circulating Chiller.

Rotavapour: Condenser (vertical), Normal glass. Manual lift. Seal made of PTFE composite material, one piece vapour duct. Speed range: 20-280 rpm, Combi clip for easy fixing and removal of vapour duct. Evaporation flask from 50-4000 ml. can be used without any additional adapter. Surface Area of Vertical Condenser must be 1460 cm<sup>2</sup>. Stop cock for aerating the system and rudimentary regulation of distillation process. Complete with 1 litre receiving and 1 litre evaporation flask. (STJ 29/32), operated on 220-240V, 50/60 Hz. CE approval. Dimension of the Rotavapour: 617x898x502mm. Heating bath: Temperature range 20 °C-95 °C, Display of set and actual temperature with heating on-off. Bath capacity: 4 litres. Max. Flask holding capacity: 4 litres. With integrated carrying handle. Operated on 220-240V, 50/60 Hz. CE approval. Power Consumption: 1700W. Dimension of the Heating Bath: 285x219x326 mm

Diaphragm Pump: PTFE with PEEK head. Final vacuum (absolute) 10 mbar (+/- 2 mbar). Suction volume: 1.5 m<sup>3</sup>/hr, brushless DC motor, speed around 1280 rpm with sound absorber and integrated gas ballast, operated on 100-240 V, 50/60 Hz. CE approval. It covers the essential needs in vacuum generation. On/off-regulated by the Interface, it is optimally suited to work with the Rotavapor. Dimension of the Pump: 180x275x210 mm.

The Interface is an easy to use that controls the vacuum digitally. It is optimally suited to on/off to regulate the Vacuum Pump .Measurement Range: 1400 – 1 mbar, Control Range: 1100- 1 mbar, Frequency: 50/60 Hz, Display: Digital monochrome, 4.0 inch. Power: 40 W; Power Consumption: 10W, Dimension: 160x105x120 mm, Recirculating chiller: Temp. range: -10 °C to +25 °C , flow rate: 2.5 litres /min, Pump capacity :0.6 bar, Cooling power : 300 W at10 °C , digital display of set & actual temperature . Fitted with castors for easy movement. Tank volume: 3L, Refrigerant: R 134a, operated on 230 V, 50/60 Hz. CE approval. Dimension: 280x500x400 mm, Power Consumption (Max):800 W, Pump pressure 0.6 bar, flow rate 2.5 L/min, Weight 31 kg.