

Format for Submission of Expression of Interest and details specification of

UV VIS Spectrophotometer

Brief about Expression of Interest.

Name of the Equipment/ Good	<u>UV VIS Spectrophotometer</u>
Location of the Supply	Veer Surendra Sai University of Technology, Burla, Odisha-768018
Name of Authority	Vice-Chancellor
Eligible firms	The firm should be the OEM/Authorized Dealers of the OEM having experience in supply and maintenance of the same item earlier.
Date of Submission of EOI	Last date is 28.11.2019
Contact person	Nodal Officer, Procurement, TEQIP-III, VSSUT, Burla
Phone Number of Contact person	9437177717
Email	pcvssutb@gmail.com
Address for submission of EoI	<u>Nodal Officer, Procurement, TEQIP-III</u> Veer Surendra Sai University of Technology, Burla, Odisha-768018.
Selection Process	Stage1: Expression of Interest (EOI); Stage 2: Quotation proposal submission in TEQIP-III format
	<ul style="list-style-type: none">• <u>The EoI will be submitted by Speed Post/Registered Post only</u>• The sealed envelope containing the EoI should be super scribed with “Expression of Interest (EoI) for supply of <u>UV VIS Spectrophotometer</u> in Department of Chemical Engineering”

Specifications for Double Beam UV VIS Spectrophotometer:

Microprocessor based UV-VIS Spectrophotometer with high resolution LCD display and dedicated soft keypad, for operation on 220V / 50Hz.

- Stand-alone operation or complete control through PC with PC software should be provided.
- True double beam optics with aberration corrected concave blazed holographic grating in Czerny - Turner mounting for high energy throughput and high quality monochromatic light
- Wide wavelength range of 1,100 nm to 190 nm or better.
- High resolution 1 nm spectral bandwidth over entire wavelength range
- Wavelength setting and display in steps of 0.1 nm
- Wavelength accuracy of ± 0.1 nm for D₂ spectral line
- Wavelength reproducibility of ± 0.1 nm
- Variable wavelength scanning speed of 3,000 nm/min to 2 nm/min
- Ultra low stray light of <0.02%T at 220 nm with NaI filter
- Wide Photometric range of -4 to +4 Abs and 0 to 400 %T
- High Photometric Accuracy of ± 0.002 Abs at 0.5 Abs
- High Photometric Repeatability of $<\pm 0.001$ Abs at 0.5 Abs
- Very low baseline drift of 0.0003 Abs/hour

High baseline flatness of ± 0.0006 Abs over entire wavelength

- Ultra low Photometric noise of < 0.00005 Abs or better
- Dual source - high intensity Tungsten-Halogen and Deuterium lamp with automatic changeover
- Two sets of cuvette should be provided
- High sensitivity matched pair Silicon Photodiode detector
- 5 USB ports for PC with i7 processor and data storage and transfer through USB pen drive with 1KVA online UPS.
- Guaranteed compliance with all Pharmacopoeial requirements
- Built in validation program, diagnostic and security functions
- All operational modes as standard - Photometric; Spectrum; Quantitation; Kinetics, Time Scan, DNA and Protein Quantitation in stand alone and PC mode. Additionally Multi-Component measurement available in stand-alone mode.
- Instrument should be provided with three years of Annual Maintenance charges
- Demonstration should be given after installation of the instrument
 - Instrument received any damaged condition will be replaced
 - Provision to collect the result in excel file, ASCII file, PDF file and Image file
 - The result should be obtained in CD and Pen-drive
 - A CD of UV-Visible software should be provided after installation with product key
 - Operation manual should be provided with the instrument at the time of installation
 - All necessary attachments should be provided for the smooth running of the instrument

APPLICANT'S EXPRESSION OF INTEREST

To,
Nodal Officer, Procurement, TEQIP-III
TEQIP Cell
Veer Surendra Sai University of Technology
PO- College of Engineering, Burla
Sambalpur - 768018
Odisha

**Sub: Submission of Expression of Interest for supply of with the given
Technical specification under TEQIP-III.**

Dear sir

In response to the Invitation for Expressions of Interest (EOI) published on _____ for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we agree to supply the equipment /item with the following Technical specification:

Technical specifications

Organizational Details :

1. Name of the Organization
2. Complete postal address with pin code:
3. GST No:
4. PAN No.:
5. Telephone No.
6. Fax Number
7. Mail Id:
8. Name of representative:
9. Representative Mobile Number :
10. Representative E mail Id:

Experience in related fields: Attach the purchase orders if supplied to the institutions or organizations of repute. This is a key requirement to consider a firm for inviting quotation.

Additional information (if any):

Declaration: We hereby confirm that we are interested in supplying the above equipment/item as per the given Technical specification to VSSUT, Burla under TEQIP III and we certify that our organization has not been blacklisted during last three financial years. All the information provided herewith is genuine and accurate.

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp.....

Date:

Note: This is to be furnished on the letter head of the organization and signed in every page.