



**P. G. DEPARTMENT OF CHEMISTRY
UTKAL UNIVERSITY, VANI VIHAR,
BHUBANESWAR-751 004, ODISHA**
Email: headchemuu@gmail.com, Tel: 8917574399

Tender/ R & D Corpus Fund /INDIA/01/2025

Date: 15.11.2025

TENDER CALL NOTICE

Sealed tender quotations are invited by the undersigned from the reputed manufacturers/authorized dealers, DGS & D rate contract holders for purchase of Instrument (**UV-Vis DRS Spectrophotometer**) under R & D Corpus Fund, Utkal University so as to reach the undersigned by 29.11.2025 upto 5.00 PM through registered post/speed post. The tender will be opened on 01.12.2025 at 3.00 PM in the presence tenderer or their authorized representatives. All the documents such as EMD of 1 % of the estimated cost of equipment value, STCC/ITCC/TIN/GST no. certificates along with literature/brochure and market standing certificate along with satisfactory certificates should be enclosed with technical bid only, failing which the tender will be cancelled. The details of items, specification and other terms and condition can be obtained from the office of undersigned on payment of INR 200.00 (non-refundable) between 11.00 AM to 3.00 PM on working days or can be downloaded from website www.utkaluniversity.ac.in. Form downloaded from the website must accompany Rs. 200 towards the cost of tender paper. Payment of EMD and purchase of tender paper will be through Bank Draft in favour of "LABORATORY DEVE FUND DEPT CHEMISTRY" payable at Bhubaneswar. The authority reserves the right to cancel the tender at any time without assigning any reason thereof.

Eligibility Criteria:

1. Tenders are to be submitted in the prescribed format (enclosed) in the tender paper along with EMD/ security amount (1 %) of the approximate cost of equipment only as mentioned in the tender paper drawn in favour of the LABORATORY DEVE FUND DEPT CHEMISTRY in shape of a Bank Draft drawn on any nationalized bank payable at Bhubaneswar. No cash payment shall be received in this regard.
2. Tender forms are not transferable.
3. Bids have to be given in the desired format separately to supply the equipment with accessories. Bids should be submitted along-with the following documents:
 - (i) Sales Tax, Income Tax, VAT Certificate, GST Certificate or the Excise License etc. necessary for items.
 - (ii) Non-assessment Certificate in case of Dealers / Stockist outside the state of Odisha.
 - (iii) Authorization Certificate from the Company.
 - (iv) **All rates in INR should be inclusive of all taxes and F.O.R destination (P.G. Department of Chemistry, Utkal University, Bhubaneswar).**
 - (v) Installation charges, Delivery, Packing, Forwarding charges etc. should be included in quoted price and no extra cost will be entertained after delivery.

N.B.:

1. Last date for submission of sealed tender paper is **29.11.2025** upto **5.00 p.m.** in the Office of H.O.D, P.G. Department of Chemistry, Utkal University, Bhubaneswar through registered post/speed post.
2. Bank Guarantee for EMD is not valid.
3. The authority may cancel the tender as a whole or a part without assigning any reason thereof.
4. All supplies have to be made within 30 (thirty) days of the confirmed order received by the firm otherwise the order shall be treated as cancelled.
5. EMD of the parties whose Tender is not accepted will be refunded on submission of a stamped receipt.
6. Exemption in price (if any) under production of DSIR certificate should be indicated
7. Filled tender paper must contain all specifications, terms and conditions in a systematic manner and should not leave anything guessing to the undersigned.

Head of the Department
headchemuu@gmail.com
Ph. No. 8917574399

Specifications for UV-Visible DRS Spectrophotometer

FORMAT

Dated:.....

Tender Form No:.....

From:

M/S-----

To,

The Head of the Department,

P.G. Department of Chemistry,

Utkal University, Vani Vihar, Bhubaneswar-751 004

(Kind attention: Dr. Bijayalaxmi Jena, H.O.D)

Sub: Supply of_____

Ref. Advertisement (name of the Newspaperand Date:.....

EMD /SecurityAmount: Rs.....(Rupees.....

.....) only in shape of D.D in favour of

“LABORATORY DEVE FUND DEPT CHEMISTRY”

D.D No....., Dated:.....

Sl. No.	Name of the item and specifications	Unit cost in total (F.O.R.) in INR
1.	PC controlled True Double Beam UV-Visible Spectrophotometer for solid and liquid sample analysis in reflectance /transmission and absorbance mode, should be quoted with below mentioned specifications: - 1. Source: Tungsten & Deuterium lamp with automatic changeover or Single Xenon Source. The source Should have life of more than 8 years 2. Monochromator: Blazed holographic	

	grating with 1200 gr/mm, Czerny- Turner with 0.2 m focal length. 3. Detector: Suitable and stable Si diodes Sample and Reference 4. Photometric System: True Double beam 5. Wavelength Range: 190-1100 nm 6. Spectral Bandwidth: 1.5nm 7. Beam Height: 15 mm 8. Data Interval: 0.05, 0.1, 0.5, 1, 2 nm 9. Wavelength Accuracy: ± 0.1 nm 10. Wavelength Reproducibility: ≤ 0.05 nm (6 measurements at 656.1 nm, SD); ≤ 0.1 nm (all range) 11. Photometric Range: ± 4 A 12. Scan Rates: Up to 22,000 nm/min or more 13. Photometric Accuracy: ± 0.004 AU (0.5 AU); ± 0.003 AU (1.0 AU); ± 0.005 AU (2.0 AU); ± 0.01 AU (60mg/L PDC); ± 0.01 AU (430nm, 600 mg/L PDC) 14. Photometric Reproducibility: ≤ 0.0001 AU @ 0.5 and 1.0 AU; $< \leq 0.0003$ AU @ 2.0 AU 15. Stray Light: $< \leq 0.01$ % T (at 220 nm); $< \leq 0.01\%$ T (at 370, 340 nm); $< \leq 0.5\%$ T (at 198 nm) 16. Baseline Flatness: ≤ 0.001 AU 17. Photometric Noise: ≤ 0.00005 AU @ 700 nm 18. Photometric Stability: ≤ 0.0003 A/hour @ 0 AU, 700 nm after one hour warm up	
--	--	--

	19. Scan Speed: 7.5 to 12,000 nm/min 20. Environmental Requirement: Temperature: 15-35°C Humidity: up to 80% Non-condensing 21. Spectrophotometer must be compatible and upgradable with Accessories like 50 mm High Sensitivity Transmission / Reflectance Sphere, Fiber Optic Probe, etc. 22. Accessories must have auto-align capability 23. Software: System compatible original Licensed Software should be quoted with following capabilities:- Fully integrated Scan, Timedrive, and Wavelength Program data collection modes included with real-time spectral display and live instrument and accessory status bar. Quant and Scanning Quant applications, optimization of calibration curves, calibration lifetime and calibration acceptance criteria. Rate application also included with automatic calculation of enzyme activity and substrate concentration. Methods comprise instrument and accessory parameters, sample table, spectral processing, math calculations, conditional results checking, report template. Password-protected method security. Communiqué report creator to create WYSIWYG report templates containing header and footer information and may include sample or results data, bitmaps, graphs, system information or GLP data in multiple or single page format. Results and reports are created automatically as defined by the method when an analyst runs or reprocesses data. A secure, encrypted relational database is used to store all data created. Database query tool containing multiple search criteria to quickly and easily	
--	---	--

	locate data. Quartile, Schewart and histograms charts available for analysis of multiple data points. 24. Additional Software compatibility/upgradability like Color Methods Software, Architectural Glass Software, Protection Glass Software, etc. 25. Quartz Cuvettes: 3.5 ml, 10mm pathlength, 2 sets 26. Diffused Reflectance Accessory (DRA): 50 mm High Sensitivity Transmission / Reflectance Sphere with Powder Cell Holder Kit. 27. Advanced Transmission Holder for measuring the transmittance of various sample types such as films, glass, plate, etc. 28. Warranty - 5 years Standard Warranty. 29. Peltier temperature controlled Single Cell Holder 30. Suitable PC, Printer to be quoted. 31. Online UPS with 2 KVA capacity and 30 min back up. 32. One Air conditioner for Instrument room, 1.5 Ton capacity.	
--	---	--

Signature of the Manufacturer
/Authorized Dealer with Seal