

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA



P.O: Engineering College Burla (Siddhi Vihar), Dist: Sambalpur
Odisha- 768018, India

Ref: VSSUT/PHY/150/2025

Date: 23/06/2025

TENDER CALL NOTICE

Sealed tenders are invited in **single bid form (Technical Bid and Price Bid together)** from original manufacturers/authorized dealers for the supply of instruments/equipments for the **Dept. of Physics**", VSSUT, Burla, Sambalpur, Odisha. The Quotations shall reach the office of the undersigned through Speed/Registered post only on or before **14.07.2025 up to 5.00PM**. Quotation received after due date shall be summarily rejected.

REGISTERED

1. University Notice Board of VSSUT, Burla.
2. Dean F & P, with a request to upload the notice & documents in the university website.
3. PA to Registrar for information & record.
4. PA to Vice-Chancellor for kind information to Hon'ble Vice-Chancellor.

REGISTERED

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA

(Formerly University College of Engg., Burla-Established by Govt. of Odisha in 1956 &
Upgraded in 2009 to A State Govt. University covered under Section 2(f) & 12(B) of UGC Act.)

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TENDER CALL NOTICE

Scaled Bids (Single Bid) (Technical Bid and Price Bid together) are invited by the “The Registrar, Veer Surendra Sai University of Technology, Odisha” from the manufacturers/authorized distributors/dealers for supply of Instrument, equipment, machineries etc. of reputed make (National/ International) for the Department of Physics, VSSUT Burla, Odisha. The list of equipments and their technical specifications are mentioned in the different annexures.

The list of equipments

Sl. No	Description	Minimum Quantity	Remarks
1	Sonometer Length of wire : 88cm ,Weight of wire : 0.0018kg (approximately) ,Weight (6 nos.) : 0.5kg (each) ,Power Supply : 230V \pm 10%, 50Hz AC Power Supply : 6V, 500mA Coil : Wire Maximum Inductance No. of Turn Dimension Current (approximate) (mm) (Amp) (mH) 800 0.404 0.363 9.2 Technical Specifications • Study of determine Frequency of A.C. Mains using Sonometer Scope of Learning • Sonometer provided with weights • Height adjustment for Electromagnet • Inbuilt AC Supply • Self-contained and easy to operate	02	
2	Spectrometer Base Type : Circle dia : 150mm Scale Type : Stainless Steel Main scale : 0-360° , Vernier scale : 30 div, Collimator Tube length : 160mm, Focal length of : 175mm (approximate), Achromatic lens Telescope Tube length : 185mm Focal length of : 175mm (approximate) Achromatic lens Prism Refractive index : 1.51 Hollow prism : equilateral Plane transmission grating : 15.000L/inch ,Light Source : Mercury lamp Optional : Sodium Lamp	02	

Op

3	Newton ring setup Separate travelling microscope with LC 0.001cm made up of S.S steal having in built glass cross wire , plane glass plate with 45degree inclined wooden holder. Plano convex lance of focal length 100cm , complete sodium vapour lamp setup	01	
4	CRO Dual Trace Dual Channel Oscilloscope with Component Test Facility Bandwidth: 20MHz Full bandwidth sweeping circuit is used in the sweeping system The flexible and convenient triggering mode has the functions for selecting signals from one channel or triggered by Ext signals ALT trigger to observe signals from two irrelative channels The instrument has the functions of TV-H / TV-V synchronization and trigger-lock to observe all kinds of signals stably From the terminal for trigger input, CH1 and CH2 signals can be output along with the triggering channel to connect the Ext frequency counter Y deflection operation: Y1, Y2, ALT, CHOP, ADD, mode X-Y Vertical Deflection: 5mV/Div to 20V/Div in factor 1-2-5 sequence in 12 steps Rising time: < 18nS Maximum Input Voltage: 400V (DC +ACp-p) Triggering Source: Y1, Y2, ALT, POWER, EXT Trigger Coupling: AC/DC (EXT), NORM/TV-H, TV-V Horizontal Sweep Mode: AUTO, TRIG, LOCK, SINGLE Sweep time factor: 0.1uS/div to 0.2s/div in 1-2-5 sequence in 20 steps Magnification: x10 X-Y Mode input: X-Axis Y1 and Y-Axis Y2 Z Axis minimum input level: TTL Level Component Test Facility Calibration Signal: Square wave of 0.5V at 1kHz CTR Display size: 8cm x 10cm Auxiliary Power Supply: 230V 50Hz AC	01	
5	Transistor Fixed DC Power Supply : +5V, -5V, +12V, -12V Variable DC Supply : $\pm 1.5V$ to $\pm 11V$ Transistor : BC547, BC557 Ammeter Range : 1 μ A to 200mA Display : 3½ digit Voltmeter Range : 1mV to 200V Display : 3½ digit Mains : 230V AC $\pm 10\%$ Dimension (mm) : W 450 x D 280 x H113 Weight : 2kg (approximate), With additional patch cord set.	02	
6	Magnifying glass Made up of SS steal body with size : 90MM, Premium Material for Long Term Use Lightweight & Portable	06	
7	Stop watch Mechanical Stopwatch - Analog Timer, Steel Case, 1/10th Second Precision, 15-Minute Dial, Winding Mechanism, Ideal for Sport Training, Racing, Physics, Chemistry, Classroom, Lab Experiment	04	
8	Bar pendulum Metallic SS steal bar (1 meter) with multiple holes drilled along its length and two removable knife edges, with wall mount stand	02	

9	Slide caliper With three-way measurement function in external, internal, depth and step modes with least count 0.002cm. Two measuring line in cm and mm. packed in sturdy protective case. BRASS body with matt finish Fine Adjustment Roller	04	
10	Screw gauge Ranges up to 0-25mm, with a resolution (least count) of 0.01mm or 0.001mm. The gauge is typically made of Brass body	04	
11	Diffraction grating Grating with 15000 lines/inch, size 63mm*43mm For diffraction grating experiment	01	
12	Cross wire Inbuilt glass cross wire for spectrometer and travelling microscope	02	

(NB: The above items should be made by a national or international company like INDOSAW, NVIS, AEROSPACE, SES, HILGER ANALYTICAL, OMEGA)

The Bidders may download the **Tender Documents** directly from the website available at <http://www.vssut.ac.in> and the Tender cost fee of Rs.500/- (Non-refundable) by way of separate Demand Draft drawn in favour of "The Registrar, Veer Surendra Sai University of Technology, Burla" payable at SBI, Burla should be enclosed along with the Bid. The Tender cost fee and the EMD amount should be submitted separately in separate demand drafts. In case of any bid clarification, responsibility lies with the bidders to collect the same from the website and the purchaser shall have no responsibility for any delay/ omission on part of the bidder.

TIME SCHEDULE:

- Price of bidding document: Rs.500/- (Non-refundable)
- Date of commencement of downloading bidding document 23.06.2025
- Last date and time for Receipt of bids 14.07.2025 up to 5.00PM
- Time and date of opening of Tender & technical bid 17.07.2025 at 11.00 AM
- Place of Opening of Tender "Department of Physics"
- ADDRESS FOR COMMUNICATION AND RECEIPT OF BID DOCUMENTS

THE REGISTRAR
VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA
At- Burla, Po-Burla Engineering College, Dist-Sambalpur-768018,
Tel. No-0663-2430211 Fax No-0663-2430204


REGISTRAR
VSSUT Burla

General Terms and Conditions

GENERAL TERMS & CONDITIONS OF CONTRACT FOR SUPPLY, INSTALLATION AND DEMONSTRATION OF THE INSTRUMENTS & EQUIPMENT REQUIRED FOR DEPARTMENT OF PHYSICS, VSSUT, BURLA ODISHA.

1. Document Establishing Bidder's Eligibility & Qualification

The Bidders shall furnish as part of the Bid the following Documents establishing Bidder's eligibility and qualification to the Purchaser's satisfaction.

1.1 Manufacturer / Authorized Distributor / Dealer having valid license / certificates for the quoted item and the direct Importers holding valid Import License Manufacturer / Authorized Distributor / Dealer of the product are eligible to participate in the Bid.

1.2 Bidders should have **ISI or equivalent** certification for quoted instruments and equipment. However, the Purchaser shall have the right to consider the items where ISI or equivalent certification is not applicable.

1.3 The Bidder whether manufacturer/ distributor/ dealer must have experience of supply and installation of the quoted items in reputed Government Institutions / Public Undertakings / reputed Private Institutions within India during last preceding 3 (Three) years reckoned from the date of bid opening and the details must be submitted along with documentary proof.

1.4 The Bidders shall have to produce document in support of their service associates **nearest to Bhubaneswar/ Sambalpur**, Odisha.

1.5 The Bidder shall quote items of reputed Brand/model with all accessories in complete to perform functionality of Equipment/Machinery.

2. Document Establishing Goods Eligibility

The instruments and equipment offered against the schedule of requirement of instruments and equipment should be in accordance with the stipulated specifications and of one reputed brand/model (N.B: **Variation in specification is allowed up to $\pm 5\%$ in case of Machineries / Equipments**)

2.1 The documentary evidence establishing the brand and the model may be in the form of literature, pamphlets, manuals, drawing, circuit diagram etc.



2.2 Detailed description of instruments and equipment with essential technical and performance characteristics may also be furnished.

2.3 The Bidders should clearly mention in their bid regarding the compatibility of the various equipment or the individual units.

2.4 The quantity shown in the bid can be increased or decreased to any extent depending upon the actual requirement.

2.5 The instruments and equipment should have testing certificate for its satisfactory functioning.

3. Technical Bid & Price Bid together in a single bid

The following document should be submitted

3.1 Technical details of the equipment.

3.2 Copy of the manufacturing license/import license/Authorized Distributor/Dealer certificates

3.3 Copy of the authorization from the Manufacturing Company in case of Authorized Distributor

3.4 GST clearance certificate up to **date** where applicable.

3.5 Performance/ Market standing certificate establishing that the Bidders have executed supply of similar items as mentioned in Schedule of Requirement of instruments and equipment to different Govt. Organizations/ Government PSUs / reputed Private Institutions. (Proof of documents)

3.6 Copy of the IT PAN Card.

3.7 Detail name, address, telephone no. fax, e-mail of the firm and of the Director/Managing Director/ Proprietor of the firm

3.8 Address, Telephone No., e-mail, Fax of the Branch Office/ Contact Person/ Liaisoning Office in Odisha.

3.9 Power of Attorney/Authorization to a person for liaisoning and monitoring the business on behalf of the manufacturer / bidder but not entitled to raise the bills.

3.10 Document if any to establish the reorganization of the manufacturing unit in respect of ISO or equivalent.

3.11 **The original bid document signed & sealed by authorized person in each page as a token of acceptance of all terms and conditions of the tender with original receipt.**



3.12 Documentary evidence establishing that the instruments & equipment and ancillary services to be supplied by the Bidders shall confirm to the Bidding Document

3.13 Period of Warranty service/ replacement, if any shall be indicated clearly.

3.14 The bidders are required to submit the list of the spare parts required for the machine as well as the list of the dealers/ Distributors of the spare parts nearest to Sambalpur / Bhubaneswar, Odisha for its availability.

3.15 The quoted rate shall not vary with the quantum of order placed or destination point.

3.16 A copy of the original bid conditions and the schedules should be signed by the bidder at the bottom of each page with the office seal duly affixed and returned along with the bid. Bid schedule should be duly filled in with an **index** and **page number** for the documents, enclosures & EMD etc. Paging must be done for all the documents submitted.

4 EMD

All bidders are required to submit EMD **not less than 2% of the quoted amount** in shape of **Demand draft** drawn in favour of "**The Registrar, Veer Surendra Sai University of Technology, Burla**" payable at **SBI, Burla** only. The EMD shall be in Indian Rupees.

NOTE: Non-submission of EMD or submission of less EMD than the desired one shall result in rejection of Bid. The EMD deposited against other Bids cannot be adjusted or considered for this Bid. No interest is payable on EMD.

5 SUBMISSION OF BIDS

Sealing and Marking of Bids

Bid should be submitted in Single Bid system containing two parts as detailed below.

Part-A: Technical Eligibility Part

Part-B: Price Bid

The cover of the bid should be following indication:

i) Name of Dept.: _____

ii) Reference No of Bid _____

iii) Bid regarding _____

iv) Due date & time for submission of the Bid _____

v) Due date & time for opening of the Bid _____

vi) Name of the Firm _____

