



VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY

ବୀର ସୁରେନ୍ଦ୍ର ସାଏ ବିଶ୍ୱବିଦ୍ୟାଳୟ

(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.)

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

Ph : 0663-2430211, Fax : 0663-2430204 Website : www.vssut.ac.in

No. VSSUT/ BME/803

Date: 15/05/2026

QUOTATION CALL NOTICE

Sealed quotations are invited from all registered Firms/Suppliers/Dealers/Agencies having valid PAN and GST registration certificate for supply of the following laboratory equipment for Bio Medical Engineering department at the premises of VSSUT, Burla.

The interested firms may download the details from the University website and submit the quotations to the undersigned by 30.05.2026 up to 1.00 PM through registered/speed post only. The envelope containing the quotations must be super scribed "Bio Medical Lab Equipment" at the left-hand top corner.

The details of the advertisement along with terms and conditions are available in the University website www.vssut.ac.in.

REGISTRAR
15/05/2026

Memo No. VSSUT/ BME/804

Date: 15/05/2026

Copy to:

1. Director I&PR Department, Govt. of Odisha, Bhubaneswar, with a request to publish the above advertisement in one issue of the Odisha daily edition (ALL ODISHA EDITION) of THE SAMAJ using minimum space at I&PR approved/lowest rates. The bills may be sent to the Comptroller of Finance, VSSUT, Burla -768018 in TRIPLICATE along with two copies of the paper in which the publication is made, for necessary payment.
2. The University/ Department Notice Board for publicity.
3. Dean F&P, with a request to hoist the quotation call notice in the University web site www.vssut.ac.in for wide publicity.
4. The Comptroller of Finance for information and necessary action.
5. PA to VC for information of Hon'ble Vice Chancellor.

REGISTRAR
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SPECIFICATIONS for Equipment's

1. Microscope- 5 Nos.

Microscope Type	Pathological binocular type with built in light and with light intensity regulator.
Confirmity of Indian standard	Pathological IS:4381 Latest
Eye Piece Type	Compensating
Eye Piece with Magnification	Set of 2 for Binocular 10x
Objective Type	Plan Achromatic
Objective Magnification	10x,40x,100x (oil Immersion)
Type of lamp for illumination	LED
Piano concave mirror attachment	Yes
Stage	Rectangular
Size of Stage	262mm x 212mm
Coarse and fine movement of stage	Yes
Co-axial focussing	Yes
Micrometer arrangement	Yes
Warranty	1 year
Quality Standard	*-Should be CE/USFDA/BIS approved model *-Manufacturer should be ISO 13485 certified.

2. Hemacytometer- 5 Nos.

- 1 pc Double Improved Brightline Neubauer Counting Chamber
- 1 pc WBC Pipette (white bulb)
- 1 pc RBC Pipette (red bulb)
- 2 pc 16 cm transparent silicone tubing (color coded for each pipette)
- 2 pc 0.4 mm glass coverslip in a clear plastic protective case

3. Sahil's Haemoglobinometer- 5 Nos

Type: Electrical impedance hemoglobin meters

Automation: Manual

Number Of Chambers:2

It is black in colour. The back of the holder is fitted with milky colour screen made of acrylic. In front of the holder there are three windows. The two side windows are fitted with colour standard strips and middle window is meant for the round tube for colour comparison. The size of all the three windows are Height 3 cms. and Width 0.5 cms. (Round H.B. Tube is graduated on both the side for the measurement of haemoglobin in respect of percentage and gram.)

H.B. Pipette: 1 No. (20 microlitre H.B. Pipette with latex tube and mouth pieces)

Amber coloured glass bottle -1 No. Glass Stirrer -1 No. Dropper with teat -1 No. Cleaning Brush -1 No. Spare latex tubing one meter -1 No.

4. Blood Grouping Kit (Anti-A, B, D) – 6 Nos.

- 3 x 10 ml
- Microscope slide- 2 Boxes

5. Micropipette Variable- 4 Nos.

- Should have Achieve precision with uAir® technology
- Should have size - 0.5-10ul, 2-20ul, 20-200ul, 200-1000ul,
- Should have Calibrate efficiently with UniCal® technology
- Should Eject Tips Easily with Tip Ejector
- Should have 2year warranty
- The Pipette should be ISO & Ce Approved.

6. Hot Air Oven (Digital)- 1 No.

- Should be operated on 230V, 50Hz single phase AC supply and having temperature ranging between 50-200°C
- Should be made of double walled chamber -Inner made of stainless steel SS 304 grade and powder coated outer surface.
- Should provide with three heating elements on three sides of the equipment for uniform temperature on all shelves. 4. Should be provided with air circulating fan.
- Should provide with a variable microprocessor based digital temperature controller with digital display and thermometer should be provided separate.
- Should have a minimum chamber size of (L*B*H) 450*450*450 with 2 stainless steel trays with holes.
- Should provide with air ventilations.

7. Digital B.P Monitor- 5 Nos.

- Should be inflating, upper arm measurement digital BP apparatus for adult and child.
- The apparatus should measure the Systolic, Diastolic and Pulse rate and same should be displayed on an inbuilt LCD screen.
- Should have auto inflation mechanism for easy measurement.
- Measurement Range: Pressure 10 to 280 mmHg. • Pulse should be 40 to 180 beats /min
- Measurement Method: Oscillometric Method
- Memory of Last 3 Last measurement
- Should be provided with reusable adult and child arm cuff.
- Accuracy: Pressure of ± 3 mmHg of $\pm 5\%$.
- Should have battery backup for more than 1000 measurements with new alkaline battery (AA Type).
- The instruments should be CE marked (certified to be submitted in technical bid)

8. Manual B.P Apparatus- 5 Nos.

- Should be Portable mercurial type.
- Should have ISI mark. Should have ON and OFF provision for mercury reservoir.
- Should have a measuring range from 0 to 300 mmHg.
- Should be provided with adult arm cuffs of size medium & large and paediatric cuff.
- The control valve should have a knurled thumb control device.
- The leak rate should not exceed 10 mm of mercury per minute.
- The manometer scale markings and graduations should be permanent and clearly visible and filled with pigments.
- The internal diameter of the manometer glass tube should be 4.1 ± 0.1 mm and the thickness not less than 2 mm.
- All plastic parts, if any used should not crack, flake, peel or disintegrate in normal use.

- The inflating rubber bag should be capable of withstanding an internal pressure of 450 without leaking.
- The inflating bulb should be soft and should not have any joints or ridges.
- The mercury used should be clean, double distilled and of 99.9% purity.
- The fastening arrangements of the cuff should be of hook and loop type (Velcro).
- The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum test conditions.
- The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm.
- The tubes should be fitted with male and female leur connectors.
- The housing case should be of robust design. It should have press to release lock. It should have metal hinges. The tube should be secured with metal screws and clamps. It should have mechanism to hold the lid in right angles and should prevent accidental dropping. All parts should be replaceable in case of breakage.
- A cleaning brush to clean the manometer tube and a set of spare washers may be provided with each unit.

9. Stethoscope- 5 Nos.

- For listening the lung and heart sounds with two ear tips with diaphragms.
- Extra-Soft, replaceable and pivot able ear tips for perfect sealing at the ear canal.
- Designed with precision flat chest piece made of stainless steel of 40mm-45mm.
- High quality membrane for precise acoustics with non-chill rims for improved adaption on the skin and for excellent sound transmission.
- Length should be 27" to 29" Bell: 23 mm -25 mm Weight:100-120 gm
- The tube should be made of latex-free rubber.
- It should confirm to IS 3391 standards. Accessories, spares & Consumable
- The product should be CE certified (certificate to be submitted in technical bid.

10. Pulse Oxymeter- 6 Nos.

- Should have plethismographic wave form with numeric display for SPO2 and Heart rate on LCD/TFT display.
- Should have a SPO2 range of 0 to 100%.
- Should have SPO2 accuracy of $\pm 2\%$.
- Should provide bar graph for pulse strength.
- Audio and visual alarm for both upper and lower SPO2, Heart rate.
- Should provide with adult reusable finger probe with technology from standard reputed companies.
- Beep sound and alarm sound should have separate volume control
- Should have a minimum of 2 hours back-up time.
- Should be a portable, light weight and desktop model.
- Should work with input 200 to 240Vac 50 Hz supply.

11. Digital Glucometer- 5 Nos.

- Minimum Measurement Range: 30 to 600 mg/dl
- Accuracy: $\pm 15\%$ of glucose concentrations greater than equal to 100mg/dL.
- Test/Reading Time: less than equal to 10 sec.



- Reproducibility/Precision: Acceptance criteria related to accuracy criteria of ISO 15197:2013. Criterion A (CV less than equal to 5% at glucose concentrations greater than equal to 100mg/dL)
- Blood Sample Volume: less than equal to 0.6 μ L. 5. Display should be LCD display.
- Free from any Manual Coding
- Battery life is of 500/1000 test.
- Memory of the device to store the patient data should be 50/100 tests.

12. Weighing scale- 2 Nos.

- Sturdy dial type mechanical platform weighing machine for adult and children.
- Zero adjustment facility should be there.
- Resolution: 50 gm
- Range of weighing: 0-120kg
- The manufacturer shall have the valid manufacturing license and should have model approval by the legal metrological Deptt.
- ISO 9001 certified manufacturer (certificate to be submitted).

13. Height stand Stadio meter- 2 Nos.

- The measuring rod can be dismantled into several pieces and can be set easily.
- The scale must be printed along the side of the measuring rod.
- Measuring range (Both in cm & inch): 20-205 cm and 8 - 81". Graduation of measuring rod: 1mm / 8inch.
- The product should be CE certified (certificate to be submitted in technical bid)
- The manufacturer should be ISO certified

14. ANATOMY MODELS AND CHARTS- 1 Pc each

- LIFE-SIZE HUMAN SKELETON MODEL -**Super Quality**
- HUMAN SKULL MODEL-**Super Quality**
- PELVIS MODEL-**Super Quality**
- JOINT DEMONSTRATION MODEL-**Super Quality**
- ANATOMICAL CHARTS (EACH) -**Super Quality**

15. CONSUMABLES:

- Sterile Lancets/Needles – 200 pcs
- Alcohol Swabs – 2 boxes
- Cotton Wool/Gauze – 1 set
- Filter Paper – 1 packet
- Stopwatch/Timer – 2 pcs
- Capillary Glass Tubes (Non-heparinized) – 2 packets
- Adhesive Plaster/Bandage – 1 packet

Terms & Conditions:

1. The undersigned reserves the right to accept or reject any/all quotations without assigning any reason thereof.
2. The Firms/Suppliers/Dealers/Agencies shall quote quality specifications, of the materials, unit price and taxes on the cost. Any increase in price/taxes and other

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- duties/levies after the date of purchase order shall be to the supplier's account. However, the supplier shall pass on benefit of any decrease in price/taxes/levies to the University.
3. Period of warranty of service/replacement, brand of the items, if any, shall be indicated clearly.
 4. **Each quotationer shall submit only one quotation along with drawing/photography of the items as per suitability. If possible, a sample of the items may be supplied. Any quotation received without the drawing/photography will be rejected.**
 5. The Firms/Suppliers/Dealers/Agencies shall be required to supply the articles within 30 days of the purchase order failing which the purchase order shall be liable to be cancelled.
 6. The purchase committee will evaluate and compare the quotations determined to be substantially responsive, i.e. which are properly signed and conform to the terms and conditions and specifications.
 7. GST will be quoted separately for all items.
 8. The quotationer, whose quotation is accepted, will be notified of the award of contract by the purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
 9. The supplier must provide the items as per exact specifications failing which the item will not be received and the supplier will be blacklisted from the University.
 10. 100% payment against **delivery and installation** of the materials in good condition and as per specifications at our site. Any loss or damage in transit will be at the supplier's risk. **No advance payment will be made in this contest.**
 11. Sealed quotations are to be submitted/delivered at the address mentioned below:

The Registrar, Veer Surendra Sai University of Technology,

P.O. Engineering College, Burla, Dist. Sambalpur -768018, Odisha.

12. Any dispute arising out of the deal shall be subjected to the jurisdiction of the Court of Sambalpur in the state of Odisha.

REGISTRAR
15/05/2026

Memo No. VSSUT/ BME/ 1804

Dated 15/05/2026

Copy to:

1. Dean F&P for uploading to the University website.
2. COF for information and necessary action.
3. PA to VC for information of the Hon'ble Vice Chancellor.

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15/05/2026