



**DEBRA THANA SAHID KSHUDIRAM SMRITI MAHAVIDYALAYA  
CHAKSHYAMPUR, DEBRA, PASCHIM MEDINIPUR-721124**

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**www.debracollege.ac.in**

**Notice Inviting Tender**

**21.01.2021**

**Tender No- dtsksm/NIT/25/21 dated:21-01-2021**

Sealed Tenders are hereby invited from reputed suppliers/agencies/dealers/distributor/contractors with suitable credentials for **Supply of Scientific Equipments and Miscellaneous items**

Details are available in the college website [www.debracollege.ac.in](http://www.debracollege.ac.in) or can be collected from college office.

**All quotations are to be submitted in letter head with bank and GST details.**

- Last date and time for submission of Tenders: 30-01-2021 up to 4pm
- Date & Time of opening of Tenders 01-02-2021-01-2021 at 2.00 p.m

All quotations are to be deposited in the tender box kept in the Principal's office. Interested bidders may remain present at the time of opening of quotations.

(Dr. Rupa Dasgupta)  
Principal

**Details of NIT/dtsksm/25/21 dated 21-01-2021**

**Supply of Scientific Equipments and Miscellaneous items**

**List of Scientific Instruments**

**1. Vacuum Embedding Bath**

Technical Specification -

Temperature Range: Ambient+5°C to 100°C; Number of Pots: 2; Pot Depth: 160 mm; Pot Diameter: 150 mm; Ext. Dim. (mm) L x W x D: 670 x 380 x 270; Gauge: Vacuum; Temp. Controller: Digital PID Controller; Temp. Min: Ambient + 5°C; Temp. Max: 100°C; Temp. Setting Accuracy: 0.1°C; Temp. Fluctuation: ±0.2°C; Temp. Sensor: Pt 100 ohms; Heating System: Electric Element; Interior Material: Stainless Steel; Options: Timer, Custom sizes; Safety Features: Over temperature alarm, Temperature protection cut off, Earth leakage breaker (ELB).; Power: 2000 W; Supplied with Vacuum pump.

**2. Semi-Auto Analyzer**

Technical Specifications

OPTICAL SYSTEM

Flow Cell: 30 µl quartz

Light Source: UV Quartz halogen lamp 6V/10W

Temperature: 250C, 300C, 370C and room temperature

Temperature Control: by peltier element

Photodetector: UV enhanced silicon photodiode

Cuvette option: Triple cuvette system, 10mm square/Round cuvette with square adaptor (optional)

Filter 7 interference filters (340, 405, 505, 546, 578, 620 and 670 nm) with

3 optional positions

Filter Selection: Filter wheel, through stepper motor

MEASURING SYSTEM

Reaction Volume: 350-5000µl

Aspiration: Peristaltic pump

Photometric Range: - 0.1 to 3.0 Absorbance

Resolution: 0.0001 Absorbance

Linearity:  $\leq 1\%$   
Blanking: Automatic zero setting  
Calibration: Automatic against standard with auto storage of graph for all tests

#### OPERATOR INTERFACE

Total Programmable Tests: 248  
Direct Test Keys: 48  
Quality Control: 3 Controls per test with Levey Jenning graph  
Display: 640 x 480 pixel, Color graphical TFT (5.6")  
Touch Screen: Optional  
Printer: Graphical inbuilt thermal printer  
Air Purge: After each sample  
Keyboard: Qwerty alphanumeric membrane keyboard (80 keys) for direct function entries  
Communication Interface: RS 232(optional), USB port (optional)

### **3. ROTARY MICROTOME**

**FEATURES:** Surface grinding on base, horizontal, vertical and inclined slide for smooth and accurate motion. Ratchet wheel, CAM and CAM weight are made of GUN METAL.  
**TECHNICAL SPECIFICATIONS:** Feed adjustment - 1-50 microns (in steps of 1 micron each)  
Opening of object Clamp 37x27 mm (Ball and Flange type)  
Total feed excursion 28mm  
Overall Size 16"x10"x9"

### **4. ELISA Reader:**

#### **Specifications:-**

Optical System: Linear Measurement Range: 0.000 to 3.5 absorbance units (A)  
Photometric accuracy:  $\pm 2\%$  or 0.007 whichever is higher from 0-1.5 A and  $\pm 3\%$  from 1.5 A to 3.5 A  
Drift:  $<0.005$  A/hr  
Light source: Halogen  
Filters:  
Type of Filters: High quality narrow band interference  
Wavelength: 405, 450, 492, 630 nm and 2 optional  
Half bandwidth:  $< 10$  nm  
Selection: Automatic by stepper motor  
Memory:  
Programs: 250 tests  
Results: 9600 patient results retrieval Assay wise  
Printer: On board thermal 52 columns, maintenance free  
Display: Touch Panel & Key pad, 7" Graphics color display

### **5. ELISA Kit- for Plasma IgG, IgM, T3, T4, LH, FSH, PRL, Insulin. Glucagon**

### **6. Digital Imaging system (to be fitted with microscope)**

### **7. Digital Photocopier (20 copies per minute) of reputed brand**