



DEBRA THANA SKS MAHAVIDYALAYA
CHAKSHYAMPUR, DEBRA, PASCHIM MEDINIPUR-721124
Website : www.debracollege.ac.in Email: principaldebra@gmail.com

Notice Inviting Tender
15-01-2022

Tender No- dtsksm/NIT/37/22 dated:15-01-2022

Sealed Tenders are hereby invited from reputed suppliers/ dealers with suitable credentials for supply of miscellaneous items /instruments as per list given in website.

Details are available in the college website www.debracollege.ac.in or can be collected from college office.

All quotations are to be submitted in letter head with bank account and GST details. All Rates quoted must be inclusive of all taxes.

➤ Last date and time for submission of Tenders: 24-01-2022 up to 1pm

➤ Date & Time of opening of Tenders 24-01-2022 At 2pm

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 37

1. TWO WHEELER SERVICING LIFT-GREY COLOUR
 - POWER PACK FOR TWO WHEELER LIFT
 - HYDRULIC OIL
2. WALL MOUNTED TYREINFLATOR
3. MEETING HALL MIKE (4 NOS.) WITH AMPLIFIER (REPUTED BRAND)
4. XEROX MACHINE WITH SPEED OF 30-40 PAGES/MINUTE WITH DUPLEX (CANON/RICHO/REPUTED BRANDS)
5. SMART CLASS EQUIPMENTS-

A) Interactive LED Smart Panel/Board (Samsung/LG/Panasonic/Sony/Optoma/REPUTED BRANDS)

Back Light	Direct type LED
Screen Size	65"
Native Resolution	4K UHD (3840 × 2160)
Brightness	Min. 370 cd/m2
Contrast	4,000:1 (Dynamic)
Viewing Angle	178°
Life	50,000 hours
Operation system	Min Android 8.0

B) Portable Interactive Whiteboard converting Screen into Pen-Touch Digital whiteboard using built in Android PC

Device that Converts Any normal TV/Monitor/ whiteboard (40"upto 85") into a Digital Whiteboard USING IR camera for Teaching with inbuilt OS (Android) CPU with RAM & Storage, with Feature to create and record Lessons.Drag and drop access to thousands of multi-media content resources in form of images, videos and text.

6. SHORT THROW AND LONG THROW PROJECTORS FOR SMART CLASSROOMS

A.XGA (1024x768 pixels, 4:3 aspect ratio)

B.WXGA (1280x800 pixels, 16:10 aspect ratio)

7. WEATHER STATION: with Barometric pressure, Wind speed, wind direction, Temperature, Rainfall, Relative Humidity, SOX,NOX, SPM
8. PAPER RECYCLE MACHINE :6-8KG CAPACITY
9. STEEL ALMIRAH FOR OFFICE AND PERSONAL LOCKERS (6 UNIT)
10. DISPLAY SIGNS, BOARDS WITH METALLIC STAND IN THE CAMPUS (FOR DETAILS VISIT OFFICE)
11. INSTRUMENTS FOR LABORATORY

11a) Double beam Spectrophotometer (Labman/Remi/Systronics/other reputed brands): 01

11b)Centrifuge-01			Brand
Max. Speed	rpm	16000	Labman/Remi/Systronics/other reputed brands
Max. RCF	'g'	16600	
Max. Capacity	ml	40	
W x D x H	mm	280 x 350 x290	

11c)

Sl. No	Name of instrument	Company	Quantity
1	Rotary Evaporator with chiller	Local company	1
2	Distilled water Plant	Borosilicate	1
3	P ^H -Meter	Systronics	2
4	Conductometer	Systronics	2
5	Potentiometer	Systronics	2
6	Colorometer	Systronics	2

11d) For Physiology-

Blood pressure machine-2 pcs. Sahil's hemometer-2 pcs, Anthropometric Rod 2pcs , measuring steel tape 2pcs, Portable weight machine- 2 pcs, Ruber harmer for Deep and superficial reflex test, Skin fold caliper, Grip strength measuring Dyanomometer.

11 e)Instrument List For Physics

PAPER:- CC13 1. To verify the law of Malus for plane polarized light. 2. To analyze elliptically polarized Light by using a Babinet's compensator. 3. To study the reflection, refraction of microwaves. 4. To study the polarization of light by reflection and determine the polarizing angle for air-glass interface. 5. To determine the refractive Index of (1) glass and (2) a liquid by total internal reflection using a Gaussian eyepiece

. PAPER:- DSE3 1. AM Transmitter and Receiver. 2. FM Transmitter and Receiver. 3. To study Time Division Multiplexing (TDM). 4. To study Pulse Amplitude Modulation (PAM). 5. To study Pulse Width Modulation (PWM). 6. To study Pulse Position Modulation (PPM). 7. To study envelope detector for demodulation of AM signal.

PAPER:- DSE4 1. Determine output characteristics of a LVDT & measure displacement using LVDT 2. Measurement of Strain using Strain Gauge. 3. Measurement of level using capacitive transducer. 4. To study the characteristics of a Thermostat and determine its parameters. 5. Study of distance measurement using ultrasonic transducer. 6. Calibrate Semiconductor type temperature sensor (AD590, LM35, or LM75) 7. To measure the change in temperature of ambient using Resistance Temperature Device (RTD). 8. Create vacuum in a small chamber using a mechanical (rotary) pump and measure the chamber pressure using a pressure gauge. 9. Comparison of pickup of noise in cables of different types (coaxial, single shielded, double shielded, without shielding) of 2m length, understanding of importance of grounding using function generator of mV level & an oscilloscope.