

# SABANG SAJANIKANTA MAHAVIDYALAYA



P.O. - LUTUNIA \* DIST. - PASCHIM MEDINIPUR \* W.B  
PIN-721166 \* PHONE NO. - (03222) 248221

Ref. No. SSKM/Ten/Ph-Phy/Equip/17-01(a)

Date 11/08/17

## Tender Notice


Sealed Quotations are invited from registered and reputed suppliers for purchase the articles for the Department of Physics, (Phase-II) Sabang Sajani Kanta Mahavidyalaya, on or before 21-08-2017 at 3.00 PM. List of articles with specification is attached as Annexure-1.

Rates along with Tax (VAT & GST etc) & delivery charges should be quoted in accordance with the specifications.

Sealed tenders will be opened on 22.08.2017 (Tuesday) at 1.30 PM in the Principal's Chamber of Mahavidyalaya in presence of participants or their representatives.

College Authority reserves the right to reject any or all tenders without assigning any reason.



  
Teacher-In-Charge  
Sabang Sajani Kanta Mahavidyalaya  
Teacher-in-Charge  
Sabang Sajani Kanta Mahavidyalaya  
Lutunia, Paschim Medinipur, 721166

Copy to

1. College Notice Board
2. BDO, Sabang
3. Pradhan, 1 No. Debhog Gram Panchyat

Phase-2  
Annex-1

BRIEF DESCRIPTION	specification	QUANTITY	REMARKS, IF ANY
A.C. millivoltmeter	standard	3	
Phase voltmeter	standard	1	
Digital voltmeter	standard	10	
Digital ammeter	standard	10	
4 bit ripple counter	Specifications needed for Opamp 741 IC set	2	
Differential amplifier	For Study of differential amplifier circuit using transistors and find out its differential mode gain.	2	
Window comparator	To design of a window comparator and study its characteristics	2	
Monostable multivibrator	Monostable multivibrator and timer circuit with IC 555	2	
slew rate of an Op-amp	With IC 741	2	
LC oscillator using transistor	To design an LC oscillator using transistor	2	
Band gap measurement of a Semiconductor	Band gap measurement of a Semiconductor using P-N junction with 4 probe method	1	
Simple microprocessor programming	Microprocessor set	2	
Dual channel power supply with constant current source	15 volt 1 amp	2	
Determination of Electron temperature	Single probe method	1	

Phase-2  
Annex-1

BRIEF DESCRIPTION	specification	QUANTITY	REMARKS, IF ANY
Study of amplitude modulation	With AF Signal generator 1 KHz Carrier generator 100 KHz Amplitude modulator Amplitude demodulator Power supply +/- 5.500 mA Required numbers of patch cords and operating manual.	1	
Study of pulse amplitude modulation	Built in IC based DC Regulated Power Supply +12VDC, +5VDC/250mA. Built in Carrier Pulse Output Frequency Range - 8 KHz, 16KHz, 32KHz, 64KHz. Amplitude - 5Vpp approx. Built in Sine Wave Audio Frequency Function Generator Frequency Range - 1KHz & 2KHz Amplitude - 0-10Vpp & 0-4vpp approx. Circuit diagram for Modulator & Demodulator must be supplied	1	
Study of pulse width modulation	Embedded with Built in DC Power Supply +/-12V, +/-5V On board Signal Generator Up to 1KHz On Board Carrier Generator Up to 8KHz	1	
Autoranging Multimeter with Capacitance, Frequency, Temperature Function	Which can Measures ac and dc voltage to 600v, ac and dc current to 10a and resistance to 40m.	3	
Digital TRMS Clamp Meter	With Count: 6000 ( 3 5/6 Digit ), Back Light for Display, TRMS Value, TC/Temp range(-20 to 1000°C) and Voltage: DC: 1000 volts(+ 0.8% + 3), AC: 750 volts(+ 0.8% + 3), Current: DC: 600 / 6000µA(+ 0.8%+ 10), 60 / 600 / 1200A(+2.0% + 30) ; AC: 600/6000µA / 60 / 600 / 1200A(+ 2.0% + 30), it should measure Resistance, Capacitance, Duty Cycle (%) & Frequency, Continuity test with buzzer & Data Hold, Diode Test, with auto power Off, Including Test leads (Pair), K-Type TC(upto 260°C), 2AAA batteries	3	
Digital Multimeter	Normal and standard specification	20	
High frequency digital multimeter	Can measure upto the range of 20 mhz	4	
Dual power supply +/- 12 volt	Mains supply input 240 VAC Step Down Transformer 15-0-15V AC @ 350mA Output +/- 12 VDC Dual, 350 mA Must have Regulated Low ripple DC output Must have Earth connection for chassis ground Optional Onboard regulator for stable supply Optional Dual output LED indication	10	
Variable power supply +/- 15 volt	Channel 1: 15 Volts @ 1 Amp Channel 2: -15 Volts @ 1 Amp  with max ripple and noise : 30mVp-p • Load Regulation: ±3.0% • Line Regulation: ±0.5%	5	
+/- 5 volt power supply	Output: ±5 Volts @ 1.0 Amps	20	