

SABANG SAJANIKANTA MAHAVIDYALAYA



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

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

Date 11/08/2017

Tender Notice

Sealed Quotations are invited from registered and reputed suppliers for purchase the articles for the Department of Physics, (Phase-I) 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.



Copy to

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


Teacher-in-Charge
Sabang Sajani Kanta Mahavidyalaya
Lutunia, Paschim Medinipur, West Bengal

LIST OF EQUIPMENTS TO BE PURCHASED IN PG LAB FOR PHYSICS

SEM 1 & SEM 2-

Phase 1

Annex-1

BRIEF DESCRIPTION	specification	QUANTITY	REMARKS, IF ANY
30 MHz Oscilloscope with Function Generator and Power Supply	2 Channel Oscilloscope – 40 MHz Trigger Bandwidth 1 MHz Function Generator – Sine, Square, Triangle & DC DC Power Supply + 12 V & 5 V	2	
High Precision Digital Dual-channel DDS Function Signal Generator 0to 5 mhz	Arbitrary Waveform Frequency Meter 0-5MHz Power Signal Bandwidth 200MHz's 25MHz dual-channel DDS signal and TTL level output, can generate sine/triangle/square/trapezoidal/pulse wave, white noise, etc output power signal should be at least 0-5MHz, amplitude 30mVp-p-30Vp-p, maximum current 300mA, these two channels must be independent of signal power and can be used in parallel, so that the output current go up to 600mA, output amplitude up to 60Vp-p. Amplitude and frequency should be displayed on the screen.	2	
Frequency 0 to 20 MHz Arbitrary Waveform Generator	Must be Embedded in DDS Technology. Dual Channel Output. Remote control support. At least 5 Types of standard output waveforms needed. External Trigger input/output. Channel Duplication Function. 16k Points Arbitrary Waveform Length. Built-in 46 Arbitrary Waveforms Including DC.	2	
Digital storage oscilloscope upto 100 mhz	Rise time must be of nano second order and Y deflection should be 2 mv per division --- 50 v/div It must work for 220 v supply	1	
Digital storage oscilloscope upto 70 mhz	Rise time must be of nano second order and Y deflection should be 2 mv per division --- 50 v/div It must work for 220 v supply	1	
2/5/10/15MHZ Function Signal Generator	with Frequency Counter Synchronized TTL/Impulse Signal Output Square Wave Frequency Sweep Panel	2	
30 mhz oscilloscope	With bandwidth of 30 mhz and rise time of nano second order and y deflection 5 mv to 20 v per division	3	
Trainer kit for FET	It will be used to find out drain resistance, mutual conductance and amplification factor	4	
Digital trainer set	10 Logic Level inputs & 10 LED for output indication. Fixed Clock generation of 1 Hz, 10 Hz, 100 Hz, 1 KHz, 10 KHz, 100 KHz & 1 MHz. Logic Pulse, Logic Probe 4 digit 7 Segment Display Bread Board of 1260 tie points Fixed DC 5 V, +12 V power supply interconnection using 2 mm banana Patch cord.	2	
Digital trainer set	it will be used for verification of truth table for JK flip flop	2	
Design and performance study of a VCO IC (NE 566),	As per the specification of NE 566	1	
Design and performance study of PLL IC (NE 565)	As per the specification of NE 565	1	