



# BASANTI DEVI COLLEGE

Established in 1959  
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NAAC Reaccredited B

Tender Ref. No: BDC/Web/2018/004

Date: 13.02.2018

## Web Tender

Quotations are invited for the following items to be used by the Department of Physics:

1. 30MHz Oscilloscope with frequency measurement & AUTO TIMEBASE
  - Bandwidth - 30MHz
  - Channel & Trace - 2 channel
  - Vertical sensitivity - 1mV/div. to 5V/div( separate control of each channel )
  - Horizontal sensitivity - 0.2uS to 0.5S/div in 20 steps in 1-2-5 sequence  
( without Magnifier )
  - Sweep magnification - x10
  - General facility - 5 digit direct frequency measurement, Auto Timebase,  
LCD display for Volt/Div, Time/div & frequency.  
Digital Switching for Volt/divn. & Time/divn.
  - Accessory - 2 x 1:1/1:10 switchable probes, mains chord, manual.

Make : GW-INSTEK ( model GOS-630FC )

2. 5MHz DDS Function Generator. ( DDS Technology with FPGA design )
  - Frequency - 0.1Hz to 5MHz
  - Stability -  $\pm 20$ ppm
  - Amplitude - 1.1mV peak to 10 volt p-p ( into 50 ohm )  
2mV p-p to 20V p-p in OC
  - Duty Cycle control - 1% to 99%  $\leq 100$ KHz & 20% to 80%  $\leq 5$ MHz
  - Display - Simultaneous display of frequency amplitude & Offset.  
Frequency display 9 digit LED  
Amplitude display 4½ digit LED  
Offset display 3 digit LED
  - Wave Form - Sine, Square, Triangle, Ramp, Pulse, Noise, Arbitrary, TTL
  - Frequency setting - through numeric keypad,  
with each of the 9 digit control thr. Linear potentiometer.
  - Arbitrary Function
  - Sample Rate - 20MS/s
  - Repetition Rate - 10MHz
  - Waveform Length - 4K
  - Amplitude resolution - 10 bit
  - Power - 230V.AC,  $\pm 15$ %, 50Hz
  - Accessory - power chord, BNC to Crocodile Clip x 1

Make : GW-INSTEK Model : AFG-2005

147B, Rash Behari Avenue, Kolkata – 700029

Call: 91 (033) 2464 1012 / 2463-0845 , Fax : (033) 2419-7449

Email: [info@basantidevicollege.edu.in](mailto:info@basantidevicollege.edu.in) Website: [www.basantidevicollege.edu.in](http://www.basantidevicollege.edu.in)



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### 3. Multi output DC Power Supply - 2 output

No. of Channel	:	2 (Two)
Display	:	4.3 Inch digit LCD display for Voltage & Current setting & Read back facility
Resolution	:	10mV/1mA display resolution
Ranges	:	2 x 0±30V/3A, (Series / parallel operation)
CV Operation		
Line & Load Regulation :		0.01%+3mV
CC operation		
Line & Load Regulation :		0.2%+3mA
Protection	:	Overload, reverse polarity, short circuit
Special features	:	Tracking (Series / parallel operation) , CV/CC Operation, Output ON/OFF switch for protection of DUT. Output voltage & Current setting in output OFF Condition, should have voltage & current setting Lock facility, Built-in FAN.
Input Power	:	230V.AC ±10%, 50Hz AC

Make : GW-INSTEK      Model GPE-2323

### 4. Laser Experiment (Complete Set)

Interested suppliers are requested to send their quotations to the following address within 7 days

To  
The Principal  
Basanti Devi College  
147B, Rash Behari Avenue, Kolkata – 700029  
Attn : HOD , Department of Physics

Sd/-  
Dr. Indrila Guha  
Principal