

Department of Physics
University of Kerala, Kariavattom Campus, Thiruvananthapuram – 695581
KERALA

No.Phy/ 337/2018-19

06/ 03/2019

Quotation Notice

Quotations are invited for purchasing a Cathode Ray Oscilloscope, Function Generator and Dual Power supply with following specification by the Department of Physics, University of Kerala.

No	Item	Description/Remark
1	Cathode Ray Oscilloscope (5 Numbers) A cathode ray Oscilloscope with digital read out sharp display and auto focus.	Band width: DC-30 MHz Rise time: 12 ns or lower, Accuracy less than $\pm 3\%$ Maximum input voltage: approximately 400 V. Magnifier $\times 10$, Maximum Sweep Speed: Approximately 20 ns, Accelerating Potential: approximately 2 kV Weight: less than 8 kg., Power consumption < 50 VA. With Built in component tester Accessories should include BNC to crocodile clip: 2 numbers for each CRO BNC to test prod cable: 1No. for each CRO Test prods: 1 set for each CRO. Warranty: Not less than Three years.
2	Function Generator (4 numbers)	Frequency: 1 Hz to 3 MHz Function Generators should be able to produce sine, square, triangle and ramp out puts Output: Approximately 20 Vpp Frequency Accuracy: $\pm 0.5\%$, Output Impedance: 50 ohm, Frequency Counter : DC to 40 MHz and resolution should be 1 Hz, Power consumption approximately 12 VA, Warranty: Not less than Three years.
3	DC Dual Power supply (4 numbers)	DC Output : 2 x 0 - 30V, 2A continuously variable by means of coarse and fine controls. Current limit : 100mA– 2A continuously adjustable Resolution : Voltage : 100mV Current : 10mA Internal Resistance : $\leq 15\text{ m}\Omega$, Stability : 2.5 mV at 30 V/2A, Recovery Time : $\leq 50\ \mu\text{s}$ Load Regulation : $\pm (0.05\% + 10\text{mV})$ Line Regulation : $\pm (0.05\% + 10\text{mV})$ Temperature Coefficient : $\pm (0.05\% + 5\text{mV}/^\circ\text{C})$ Ripple & Noise : $\leq 1\text{m V}_{\text{rms}}$ Warranty: Not less than Three years.

Quotes should be inclusive of the cost, freight, taxes, etc. Terms and conditions of warranty should be clearly mentioned. The equipment should be installed in the Department of Physics University of Kerala. Please quote the lowest price for the above item.

The quotations should reach "**The Professor and Head, Department of Physics, University of Kerala, Kariavattom Campus, Thiruvananthapuram, Pin- 695 581, Kerala, India**" on or before **19/03/2019.**

Sd/-

Dr. Subodh G.

Head

Department of Physics

University of Kerala

Kariavattom, Thiruvananthapuram.

Subodh G
Head
Department of Physics
University of Kerala
Kariavattom-695 581

