



## COLLEGE OF ENGINEERING KARUNAGAPPALLY

(Govt. of Kerala, Managed by IHRD)

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No.P/1004/18/CEK

Dated: 03/12/2018

### Short Quotation Notice

Sealed quotations are invited for the supply of the following items.

Sl No	Item	Specification	Quantity Required
1	30 MHz Cathode Oscilloscope with Component Tester	Dual Channel, DC-30 MHz band width, invert facility in both channels(CH1&CH2), XY operation 40ns/div to 0.2s /div Time base vertical reflection Coefficient(CH1&CH2): 1mV to 20V/div, 5mV/div to 20 V/div in 12 calibrated steps in 1-2-5 sequence, x5 Magnification increases sensitivity to 1mV/div & 2mV/div (LED indicated) Accuracy : $\pm 3\%$ Rise Time: 11.6 ns or less, 17.5ns in X5 MAG variable Hold – Off time : 4:1 variable control; input impedance 1Mohms and 25pf approximately, Sweep Magnifier X5 Magnification extends the sweep speed to 100ns/div. Triggering to 40 MHz ; LED indication for stable triggering , Z Modulation, Built in Component Tester/comparator	1 no.
2	Function Generator 3MHz	Multi waveform signal generator-3 MHz Frequency indication $\pm 1\% \pm 1$ digit, output impedance 50ohms, Frequency indication Accuracy $\pm 1\% \pm 1$ digit, Sine distortion $< 1\%$ (typical) Frequency stability $< 0.5\%$ of the set of frequency(after $\frac{1}{2}$ Hour warm up), Duty cycle : 10% to 90% variable. Maximum Output voltage 10Vp-p output(into 50ohms) 20Vp-p output (open circuit), Attenuation accuracy $\pm 0.5$ dB per 20dB at 1KHZ, DC Offset $\pm 10V \pm 5\%$ in open circuit $\pm 5 \pm 5$ (DC+AC peak) in 50 ohms	1 no.

The envelope containing the quotations should bear the superscription, "Quotation for the supply of Cathode Oscilloscope with Component Tester and Function Generator" for Physics lab and should be addressed to the Principal, College of Engineering Karunagappally. Intending quotationists may submit the quotations in their own letter heads.




Last date fixed for receipt of the quotations is at 2.00 PM on 12/12/2018. Late quotations will not be accepted. The quotation will be opened at 3.00 PM on 12/12/2018 in the presence of the quotationists, or their authorized representatives, who may be present at the time of opening the quotations. All other details can be had from the college website [www.ceknpy.ac.in](http://www.ceknpy.ac.in).

To

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