



**UNIVERSITY COLLEGE OF SCIENCE**  
**DEPARTMENT OF ELECTRONIC SCIENCE**  
**92, ACHARYYA PRAFULLA CHANDRA ROAD**  
**CALCUTTA-700 009**

From: Dr. AnupamKarmakarRef. No.: ES/EQ/AK(HOD)/WE GT./153/2016  
Head of the Department Dated: 27/12/2016

To

**The All Interested Parties**

Dear M/s.

Please submit the quotation within **06/01/2017 (4 PM)** at the Office of the Department of Electronic Science for the following items according to the specification mentioned.

Please enclose the copy of the following papers along with the quotation.

1. Trade License, 2. PAN Card, 3. VAT & Service Tax Registration wherever necessary.

**Item No. 1: Oscilloscope (CRO)**

**Specifications:** •Dual Channel, DC to 30 MHz, •1mV/div., •Invert facility in Both Channels  
• Time Base: 20 ns -0.2 s/div., •Variable Hold- Off, •Sweep Delay,  
•X10 Magnification, •XY Mode, •Triggering: DC-60 MHz, •Active TV Sync Sep.,  
•Alternate triggering, •Component and Continuity Tester, •2 Level Calibrator,  
•Overscan Indication

**Item No. 2: Frequency/Function Generator**

**Specifications:** •Frequency Range 0.3Hz to 3MHz, •15 MHz Frequency Counter,  
•Digital Frequency Readout (5 digit), •Waveforms: Sine, Square, Triangle,  
•DC-Offset Adjustment, •TTL Trigger Output, •Internal Sweep & External  
FM-Modulation, •Square Wave Risetime < 70ns, •Distortion Factor < 0.5% (upto100kHz)

**Item No. 3: Micro-controller based Universal IC Tester**

**Specifications:** •ONE mode of test IC once, •CON mode to test the IC continuously,  
•STEP mode to test step by step, •Buzzer to indicate bad ICs,  
•Reliable PC Keyboard to enter IC number and commands  
•Potential free 40 pin ZIF socket for easy insertion of IC under test  
•Protection against wrong insertion  
•Alphanumeric 40 x 2 backlit LCD for displaying messages  
•RS232 serial interface for expansion of IC Test Library  
•Built in Self-Test to test hardware, firmware, display, keyboard and buzzer  
•Built in Word processor mode which converts system into an Electronic Typewriter

**Item No.: 4: Desk-Top Computer**

**Specifications:** •Intel Core i5 6<sup>th</sup> Generation Processor 6402P, •ASUS Mother Board B150Plus,  
•8 GB DDR 4 RAM Kingston/Corsair, •1 TB HDD (Western Digital),  
•DVD Writer LG, •Logitech Keyboard & Optical Mouse,  
•I-Ball Cabinet with I-Ball SMPS

Signature