Maharaja Ranjit Singh Punjab Technical University, Bathinda

Name of Work:	Purchase of Equipments for Electrical Measurments Lab at PIT GTB Garh (Moga)
Name of Agency	

Sr. No.	Description of Item	Qty.	Unit			
1	Study of principle of operation of various types of electromechanical measuring instruments. (set of 5 portable Meters)	2	No.			
2	a) To measure high value of DC current by a Low Range DC Ammeter and Shunt.	2	No.			
	b) To measure high value of DC voltage by a Low Range DC Voltmeter and Multiplier	2	No.			
3	a) To measure high value of AC Current by a Low Range AC Ammeter and Current Transformer.	2	No.			
	b) To measure high value of AC Voltage by Low Range Voltmeter and Potential Transformer Measurement of resistance using Wheatstone Bridge.	2	No.			
4	To measure active and reactive power in 3 phase balanced load by one wattmeter method.	2	No.			
5	To measure the active power in three phase balanced and unbalanced load by two wattmeter method and observe the effect of power factor variation on wattmeter reading.	2	No.			
6	To calibrate and use the Induction Energy Meter.	2	No.			
7	Measurement of resistance using Kelvin's Bridge.	2	No.			
8	Anderson Bridge with inbuilt Digital Null Detector, Sinewave Oscillator etc	2	No.			
9	Schering Bridge with inbuilt with Digital Null Detector, Sinewave Oscillator etc	2	No.			
10	Plotting of Hysteresis loop for a magnetic material using flux meter.	2	No.			
11	Measurement of frequency using Wein's Bridge.	2	No.			
12	To study the connections and use of Current and potential transformers and to find out ratio error.	2	No.			
13	Determination of frequency and phase angle using CRO.	2	No.			
14	Measurement of unknown voltage using potentiometer.	2	No.			
15	LCR Q Meter (Bridge Type)	2	No.			
16	Instruments Required for above Lab	1	No.			
	CRO 20MHz, Dual Channel, 2 Trace					
	LCR Meter Hand Held	1	No.			