

# Maharaja Ranjit Singh Punjab Technical University, Bathinda

## Name of Work:

Purchase of Equipments for Power Electronics & Drives Lab at PIT GTB Garh

## Name of Agency

Sr. No.	Description of Item	Qty.	Unit
	To plot VI Characteristics of SCR		
1	Instrument comprises of Two DC Regulated Power Supplies 0-30VDC/150mA & 0-1 VDC/150mA, three meters panel, connections of Supplies, Meters & SCR brought out at 4mm Sockets.	2	No.
	To study VI characteristics and applications of UJT as relaxation oscillator		
2	Instrument comprises of two DC Regulated power supplies of 0-15V & 0-25V. Three triangular meter are mounted on the front panel to measure voltage & current, UJT 2N 2646 UJT are brought out on sockets.	2	No.
	To study the effect of freewheeling diode on power factor for single phase half wave rectifier with RL load		
3	single phase half wave rectifier with RL load	2	No.
	To plot waveform for output voltage and current, for single phase full wave fully controlled bridge rectifier, for resistive cum inductive loads		
4	To study three phase fully controlled bridge converter and plot waveform of output voltage for different firing angles	2	No.
	Study of Jones chopper circuit to check performance		
5	Thyristored speed control of a DC Motor	1	No.
	To check performance of a McMurray half bridge inverter		
6	Study of single phase cycloconverter	1	No.
	Speed Control of induction motor using thyristor		
7		1	No.

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