

Name of Lab: - Power Electronics Lab

Name of Lab In charge: - Prof. Shinde V.K

The main objective of Power Electronics Lab is to perform the experiments under Power Electronics Circuit such as performance test on SCR, Chopper, MOSFET, IGBT, GTO, etc

Maharashtra State Board of Technical Education

Equipment List

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Particulars: Specifications of Major/essential Equipment required for conduction of practical as per curriculum

Sr. No	Particulars	No Of Available	Cost
1	Ammeter(DC)	20	23,000/-
2	Ammeter(AC)	10	11,500/-
3	Voltmeter(DC)	11	12,650/-
4	Voltmeter(AC)	06	6,900/-
5	Wattmeter	06	15,000/-
6	Single phase 0.5 KVA Transformer	02	4,600/-
7	Single phase autotransformer	02	13,700/-
8	Superposition theorem kit	03	5,550/-
9	Thevenins Theorem kit	04	7,400/-
10	Maximum Power transfer theorem kit	04	7,400/-
11	Norton theorem kit	04	7,400/-
12	Digital Multimeter	05	10,600/-
13	Dual Power Supply	10	59,660/-
14	CRO	10	1,55,000/-
15	Study of Unijunction Transistor	01	5,600/-
16	PUT characteristics and relaxation oscillator	01	5,700/-
17	Three phase full wave rectifier	01	18,500/-
18	Single Phase half controlled & fully controlled bridge	01	6,220/-
19	SCR gate triggering/ Pulse triggering using UJT	02	23,000/-
20	Megger	04	7,600/-
21	Characteristics of Diac	02	17,800/-
22	Characteristics of Triac	02	17,800/-
23	portable Kelvin double Bridge	01	13,500/-
24	Potential Transformer	01	1,350/-
25	Rheostats	14	19,800/-
26	characteristics of SCR	01	6,200/-

27	study of SCR turn on method	01	5,500/-
28	single phase wave rectifier with resistive or inductive load	02	14,350/-
29	Three phase full wave rectifier with R,RL load	02	49,000/-
30	Trainer kit for current commuted chopper	02	14,350/-
31	Series inverter trainer kit	02	20,650/-
32	Parallel inverter trainer kit	02	20,650/-
33	Three phase induction squirrel cage motor	01	28,437/-
34	DC series motor with power supply & pannel	01	24,500/-
35	SCR characteristics trainer kit	02	8,050/-
36	RishabhMultimeter	01	2,640/-
Total Cost			Rs.6,71,557/-

Lab In charge

HOD