



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Name of the lab: POWER ELECTRONICS LAB

Name of the Practical Course being Conducted:

SI No.	Name of the Practical Course	Department	Semester
1	POWER ELECTRONICS LAB	EEE	VI

List Of Equipment Available:

S.N O	NAME OF THE EQUIPMENT	QTY	Price /Unit	Total Cost
1.	Universal motor with driver circuit	1 No	8970	8970
2.	Single phase MC murray firing ckt and single phase MC murray power ckt	1 No	55150	55150
3.	Study on Cyclo converters with Load	2 Nos	55150	110300
4.	Speed control of AC/DC motors using solid-state devices	1 No	48950	48950
5.	SCR based motor soft starting circuits (starters) & static circuit breakers.	2 Nos	12410	24820
6.	Single phase loading rheostat & inductive load	1 No	37230	37230
7.	SCR trigger circuits (using RC, UJT, Counters)	2 Nos	20680	41360
8.	Study on DC, choppers and forced commutation techniques	2 Nos	20680	41360
9.	Study on single phase controlled rectifiers with R, RL & RLE loads	1 No	20680	20680
10.	Study on Three phase controlled rectifiers and 3ph, loading Rheostat	1 No	68940	68940
11.	Study on Inverters	2 Nos	19990	39980
12.	Regulated power supply	2 Nos	12410	24820
13.	Single phase loading Rheostat	2 Nos	16550	33100
14.	Study on AC choppers	2 Nos	13790	27580
15.	Three phase isolation transformer	2 Nos	16250	32500
16.	Single phase isolation transformer	2 Nos	10000	20000
17.	Multimeter	10 Nos	1050	10500
18.	Dual Trace Oscilloscope with component Tester SM410 (30MHz)	5 Nos	14857	74285
19.	DSO ( 60 MHz)	3 Nos	29714.28	89142.84
Total cost of the lab				8,09,667