

Electrical Machines Laboratory- II

Equipment Details

S.No	Equipment	Configuration/ Specification	Quantity
1.	200A DC Rectifier With DC Distribution Panel Board	200A/ DC	1
2.	200A AC Rectifier Distribution Panel Board	200A/ AC	1
3.	Distribution Bus Bar chamber	AC / 440V	1
4.	DC Shunt Motor	220V/18.6A, 5HP, RPM - 1500	3
5.	3 Φ Slip ring Induction Motor	415V/16A,3.5 kW,RPM-1410 - 415V/1HP,1410	2
6.	DC Series Motor	220V/20A,5HP, RPM - 1500	1
7.	3 Φ Transformer	1 kVA/415V	1
8.	1 Φ Transformer	2 kVA/230V	2
9.	Salient Pole Alternator Set	220V/18.6A,5.2 KW - 415V/6.9A,3 kW RPM - 1500	1
10.	DC Shunt Generator Set	220V/18.6A,3.5 kW - 220V/16A,3.5 kW RPM - 1500	2
11.	Alternator Generator Set	220V/18.6A,5HP - 415V/6.9A,3 kW -RPM - 1500	2
12.	DC Compound Motor	220V/16A,5HP, RPM - 1500	1
13.	DC Compound, Generator Set	220V/18.6A,5HP - 220V/16A,5HP, RPM - 1500	1
14.	3 Φ Squirrel Cage Induction Motor	415V/7.5A ,3.7 kW, RPM-1430	2
15.	1 Φ Induction Motor	220V/10.5A, 2 kW, RPM-1440	2
16.	3 Φ Synchronous Motor	415V/6.9A, 3 kW, RPM-1500	1
17.	DC Motor Model (opened)	220V/.25A,,5HP - RPM - 1500	1
18.	AC Motor Model opened (opened)	415V/2A,RPM - 1400	1
19.	1 Φ Auto Transformer	230V/2.70 kVA,10A 230V/3 kVA,20A	6
20.	3 Φ Auto Transformer	415V/12.211 kVA,15A	7
21.	Resistive Load 1 Φ	220V/20A,3 kW	2
22.	Resistive Load 3 Φ	415V/10A,5.25kW	2
23.	Lamp load 3kW,3 Φ	3kW,3 Φ	2
24.	Lamp load 3kW,1 Φ	3kW,1 Φ	2
25.	Inductive load 3 Φ	415V/7.5A,4kW	1

26.	Synchronizing board	415V	3
27.	Digital Tachometer	0 – 6000 RPM	15
28.	Analog tachometer	0 – 1000 RPM	15
29.	Stepper Motor	5Kg	1
30.	Rheostats	50 Ω ,	10
31.	Rheostats	100 Ω	10
32.	Rheostats	300 Ω	15
33.	Rheostats	600 Ω	5
34.	Rheostats	1000 Ω	5
35.	Ammeter AC	20A	10
36.	Ammeter AC	10A	10
37.	Ammeter AC	15A	10
38.	Ammeter AC	5A	10
39.	Voltmeter AC	600V	10
40.	Voltmeter AC	300V	10
41.	Voltmeter AC	150V	10
42.	Voltmeter AC	75V	5
43.	Voltmeter AC	30V	5
44.	Voltmeter DC	75V	5
45.	Voltmeter DC	150V	5
46.	Voltmeter DC	300V	15
47.	Ammeter AC	2.5A/5A	5
48.	Ammeter AC	10A/20A	5
49.	Ammeter AC	15A/30A	5
50.	Ammeter DC	2A	10
51.	Ammeter DC	5A	5
52.	Ammeter DC	10A	10
53.	Ammeter DC	20A	10
54.	Ammeter DC	2.5/5A	5
55.	Ammeter DC	10/20A	5
56.	Ammeter DC	15/30A	5
57.	LPF Watt Meter	150,300,600 V/5,10A	10
58.	UPF Watt Meter	150,300,600 V/5,10A	10
59.	LPF Watt Meter	150,300,600 V/2.5/5A	5
60.	UPF Watt Meter	150,300,600 V/10,20A	5
61.	Double Element Wattmeter	150,300,600 V/10,20A	2
62.	P.F Meters 1 \emptyset	150,300,600 V/10,20A	1
63.	P.F Meters 3 \emptyset	150,300,600 V/10,20A	1

64.	3 point Starter	-	3
65.	Digital Multimeter	-	15
66.	TPST Switch	-	5
67.	DPST Switch	-	5