



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### AC MACHINES LABORATORY

S No	Item	Make	Quantity	Cost per unit (Rs.)	Total cost (Rs.)
1	Single phase transformer 2 KVA, 115 / 230V	Future tech instruments Pvt. Ltd.	06	9,975	59,850
2	Three phase alternator 415 V, 4.5 A, 1500 rpm	Future tech Instruments Pvt. Ltd.	03	33,480	1,00,440
3	Three phase synchronous motor 415 V, 6.2 A, 1500 rpm	Arwa Electricals Pvt. Ltd.	01	83,520	83,520
4	Three phase induction motor 3.5 KW, 415 V, 7.5 A, 1440 rpm	Benn Electricals Pvt. Ltd.	03	25,900	77,700
5	Single phase induction motor 1 HP, 230 V, 5.8 A	GE Motors India Pvt. Ltd.	01	22,730	22,730
6	Programmable logic controller unit DI-12, DO-6, AI-6, AO-12, timers - 8, counters - 8	Delta Electronics India Pvt. Ltd.	01	17,500	17,500
7	Three phase auto transformers 230 / (0 – 270) V, 10 A	Physitech Power Systems Pvt. Ltd	07	15,000	1,05,000
8	Single phase auto transformers 415 / (0 – 470) V, 10 A	Physitech Power Systems Pvt. Ltd	10	3,200	32,000
9	Rheostats (0 - 450 $\Omega$ / 1.7 A)	International Instruments Industries	04	3,500	14,000
10	Resistive loads (2 KW)	Future Tech Instruments Pvt. Ltd	02	12,320	24,640
11	Inductive loads, 415 V AC, 50 Hz, 7 A	Physitech Power Systems Pvt. Ltd	01	19,360	19,360
12	Tachometers (0 - 9999 rpm)	International Instruments Industries	13	2,600	33,800
13	Ammeter (0 - 1 A) MI	Future tech instruments Pvt. Ltd.	03	1,400	5,200
14	Ammeter (0 - 1/2 A) MC	Supreme	02	1,400	2,800
15	Ammeter (0 - 5/10 A) MI	Supreme	08	1,280	10,240
16	Ammeter (0 - 10/20 A) MI	Supreme	05	1,230	6,150
17	Voltmeter (0 - 30/60 V) MI	Supreme	03	1,230	3,690
18	Voltmeter (0 - 150/300 V) MI	Meco-V	05	1,230	6,150
19	Voltmeter (0 - 300/600 V) MI	Meco-V	06	1,230	7,380
20	Voltmeter (0 - 600 V) MI	Meco-V	10	800	8,000
21	Wattmeter LPF (1/2 A, 75/150/300 V)	Supreme	01	3,800	3,800
22	Wattmeter LPF (5/10 A, 150/300 V)	Supreme	08	3,800	11,400
23	Wattmeter LPF (5/10 A, 300/600 V)	Supreme	09	3,800	11,400
24	Wattmeter UPF (10/20 A, 300/600 V)	Supreme	12	1,800	10,800
25	Wattmeter UPF (5/10A, 300/600V)	Supreme	12	1,800	10,800
26	Dynamo meter power factor meter 230 V, 10 A, UPF	Supreme	01	4,200	4,200

**Total cost** **4,92,552**

In words - rupees four lakhs ninety two thousand five hundred and fifty two only

Date: 07 April, 2022

**PRINCIPAL**