

POWER ELECTRONICS LAB

Total Cost of the of the Equipment :Rs. 32,12,682-00

Total Area in Sq. Mtrs :80

Major Equipment in the Lab:

1. INTEGRATED POWER ELECTRONIC FUNDAMENTALS FOR
NI-ELVIS ,NI MY RIO -7,29,871-00
2. DSP BASED SPEED CONTROL FOR 3-PH INDUCTION MOTOR -3, 98,693-00
3. DSP BASED SPEED CONTROL FOR BLDC MOTOR - 3,11,381-00
4. DISITAL OSILO SCOPE(DSO) - 2,72,357-00
5. 1-PHASE DUAL CONVERTER WITH 1HP DC SHUNT MOTOR
LOAD WITH CIRCULATING INDUCTORS (NO. 2) -9,0278-00
6. THYRISTOR MODULE BASED 3-PH BRIDGE RECTIFIER WITH
R, RL AND MOTOR LOAD& ISOLATED TRANSFORMERS. - 1,08,870-00
7. THYRISTOR MODULE BASED 1-PH BRIDGE RECTIFIER WITH
R, RL AND MOTOR LOAD & ISOLATED TRANSFORMERS. - 88,470-00
8. MC MURRAY BEDFORD 1-PH INVERTER WITH
R, RL AND MOTOR LOAD -93,830-00
9. IGBT BASED 3-PH INVERTER WITH R, RL AND MOTOR LOAD -93,830-00
10. VOLTAGE COMMUTATED CHOPPER WITH R, RL AND
MOTOR LOAD -77,870-00

Bapatla Engineering College: Bapatla
(AUTONOMOUS)

Department of Electrical & Electronics Engineering