

1. To conduct load survey and power consumption calculations of a small building through preliminary energy audit.
2. To measure power consumption by different types of lamps
3. Comparison of power consumption of fluorescent tube using electronic choke and ordinary/electromagnetic choke.
4. To measure heat dissipation of different lamps using laser gun.
5. To measure energy efficiency ratio (EER) of an air conditioner
6. To measure effect of valve throttling on energy consumption by centrifugal pumps
7. To measure and calculate energy savings by arresting air leakages in compressor.
8. To measure the effect of blower speed on energy consumed by it

**Laboratory Manual for
Energy Conservation**
for ITI Programmes



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