

7.1.3 Power generation for the institution through renewable energy sources - Solar Panels

Two Solar heaters support four tanks with a total capacity of 8000 Lts.

Solar Power Plant:

Padmam Block has solar power plant of 27KW capacity. The inverter capacity is 12 KVA. Maximum safe current drawing capacity is 60 Amps from battery backup. The solar power plant generates 250V as 108 Amps. The inverter charger capacity is 40A. Useful energy storage is 53 units. The power plant is able to generate 121 KWH.

Annam Block has solar power plant of 16.2 KW capacity. The inverter capacity is 6 KVA. Maximum safe current drawing capacity is 25 Amps from battery backup. The solar power plant generates 250V as 64 Amps. The inverter charger capacity is 20A. Useful energy storage is 27 units. The power plant is able to generate 73 KWH.

