

7.1.2 Institution Facilities For Alternate Sources Of Energy And Energy Conservation Measures

SOLAR POWER PLANT DETAILS

Plant capacity I & II: 200 KW (Each 100KW)
Inverters (4): 50KW
Daily Generated Average Solar Units: 650-850
Solar Panel DB: 400Amps

PLANT –I SPECIFICATIONS:

Year of Establishment: 2017
Normal Peak Power of each solar panel $P_{MPP} = 310W$
No of Solar Panels: 323
Inverters (2): $50 KW * 2 = 100 KW$
Capacity of plant I ($310 * 323$) = 100KW

PLANT –II SPECIFICATIONS:

Year of Establishment: 2019
Normal Peak Power of each solar panel $P_{MPP} = 325W$
No of Solar Panels: 318
Inverters (2): $50 KW * 2 = 100 KW$
Capacity of plant I ($325 * 318$) = 100KW

Details of power Generated and Export:

Average Power Generated per month = 20000 Units
Average Power Export to grid per month = 5000 Units
Average Power used in college per month = 15000 Units

Dr.P.Babu
Principal
PRINCIPAL
KKR & KSR Institute of Technology & Sciences
Vinjanampadu, GUNTUR-17.