

Project Summary - 19

C.R.I. 6 HP Solar Pumping System



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Location

Geo location: NSN Palayam,
Coimbatore -TamilNadu
Latitude : 11.236 N ; Longitude : 76.9389 E

System Components

- 200Wp x 32 Nos. *(6000 Wp) Multi-Crystalline
- 6HP Solar Pump Control Unit
- Fixed Tilt Ground Mounted Module Mounting Structures, North to South (Solar PV module Top to Bottom)
- 6 HP Borewell Pumpset 3 Phase, 380 Volts, 50 Hz Supply
- Area occupied: 45 Sq. meters of shadow free area
- Tilt Degree: 10° as per the Geo location of the installation

Results

- Flow: 7.6 m³/hr,42,800 LPD* at 150 m* Total Dynamic Head
- Per year Running Cost by EB Grid Supply:
Rs.52,150/=* Payback period 10-11Years*
- Per year Running Cost by Diesel Genset /
Diesel Pump set: Rs.1,76,400/* Payback period 2-3 Years



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