

Project Summary - 9

Installation of C.R.I. 5 HP & 2 HP Solar Pumping System



C.R.I. PUMPS
Pumping trust. Worldwide.



Customer Name: Mr. Mariappan

Location

Geo location: Pollachi, TamilNadu
Latitude: 10.6700 N
Longitude: 77.0200 E



5 HP Solar Pump Control Unit



Water Storage Tank

System Components

- 250Wp x 21 Nos. ******(5250Wp) Multi-Crystalline Solar PV Modules
- 5 HP Solar Pump Control Unit & MPCB Pump Change Over
- Fixed Tilt Ground Mounted Module Mounting Structures, North to South (Solar PV module Top to Bottom)
- CRI 4F-5 5HP / 25 Stage Borewell Submersible Pumpset & 2HP CSS-14 Openwell Submersible Pumpset 3 Phase, 380 V, 50 Hz
- Area occupied: 31 Sq. meters of shadow free area
- Tilt Degree: 10° as per the Geo location of the installation

Results

- 1 LPS, 3600 LPH, 19,800LPD* at 155 m* of Total Dynamic Head.
- Per year Running Cost by EB Grid Supply: Rs.68,062/=* Payback period 7-8 Years*
- Per year Running Cost by Diesel Gen / Diesel Pumpset: Rs.97,200/-* Payback period 2-3 Years*
- Investment for a 5 HP Solar Pumping System: Rs.4,60,999/-*

* Conditions apply



Water output from 2 HP Openwell Pumpset



Water output from 5 HP Borewell Pumpset



Impact

Few months back some installers had installed 4 Nos. of Solar Pumping Systems which are not working till now and that had created a huge set-back for the farmers in Pollachi. They were very reluctant to believe and almost given up their hopes. But C.R.I. Pumps had assured them & delivered the promise by installing a C.R.I. Solar Pumping System which runs a 5 HP & 2 HP pumpsets successfully and that had changed the mindset positively among the farmers in the locality.

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