

# Project Summary - 15

Installation of C.R.I. 10.5 Kw Solar Pumping System



**C.R.I. PUMPS**

Pumping trust. Worldwide.



**Customer Name : Mr. Syed Mohamed Ashiq**

**Contact : +91 98465 - 77867**

**Geo location : Pollachi, TamilNadu**

Latitude: 10.689378 N

Longitude: 76.950031 E



## System Components

- 250Wp x 42 Nos. \*(10,500Wp) Multi-Crystalline Solar PV Modules
- 10 HP Solar Pump Control Unit with 7.5 HP Change Over Unit.
- Fixed Tilt Ground Mounted Module Mounting Structures, North to South (Solar PV module Top to Bottom)
- SR63 10HP 25 STAGE Borewell & CSM - 46 7.5HP Openwell Submersible Pumpset 3 Phase, 380 V, 50 Hz
- Area occupied: 62 Sq. meters of shadow free area
- Tilt Degree: 11° as per the Geo location of the installation

## Results

- 3 LPS, 10,800 LPH, 59,400 LPD\* at 250 metre\* of Total Dynamic Head.

Bore Depth : 600 Feet

- Distance from Storage tank to Bore : 600 Metre

10 HP Borewell Water Output

## Results

- 6 LPS, 21,600 LPH, 1,18,800 LPD\* at 50 metre\* of Total Dynamic Head

- Well Depth : 10 Metre

- Distance from Storage tank to Well: 850 Metre

7.5 HP Openwell Water Output

## ■ Returns on Investment :

- EB Supply : Payback year 9.5 Years, Operating Cost Rs.1,06,066
- Generator Supply : Payback year 4.5 Years, Operating Cost Rs.2,23,917



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