

# Project Summary - 8

## C.R.I. 2 HP Solar Pumping System



**Customer Name : Mr. Sohan Singh**

**Location :** Rudram, Telugana  
Latitude: 17.3850 N  
Longitude: 78.4867 E



### System Components

- 125Wp x 16 Nos. \*(2000 Wp) Multi-Crystalline
- 2HP ABB Solar Pump Control Unit
- Fixed Tilt Hot Dipped Galvanized Ground Mounted Module Mounting Structures,
- CRI 4R-3E 2 HP 17 Stage Borewell Pumpset 3 Phase, 380 Volts, 50 Hz Supply
- Area occupied: 15 Sq. meters of shadow free area
- Tilt Degree: 17° as per the Geo location of the installation

### Results

- Flow: 0.8 LPS, 2880 LPH, 20,592 LPD\* at 90 m\* Total Dynamic Head
- Per year Running Cost by EB Grid Supply:  
Rs.18,150/=\* Payback period 10-11Years\*
- Per year Running Cost by Diesel Genset /  
Diesel Pumpset: Rs.59,400/\* Payback period 2-3 Years

\* Conditions apply





Water Output at 5.:30 PM



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