

Project Summary – 16

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



System Components:-

- 250Wp x 20 Nos. (5000 Wp) Multi-Crystalline Solar PV Modules
- 5HP ABB Solar Pump Control Unit
- Fixed Ground Mounted Module Mounting Structures
- 5 HP 6" SR65-5/10 Borewell Submersible 3 Phase, 380 V, 50Hz
- Area occupied: 24 Sq. Mtrs of Shadow free area
- Tilt Degree: 22° as per the Geo location of the installation



Results:-

- 7,000 LPH / 50,050 LPD* at 80 m* Total Dynamic Head
- Per year Running Cost by EB Grid Supply, Rs. 45,375/*
Payback period 10 Years*
- Per year Running Cost by Diesel Genset / Diesel Pump set, Rs.1, 48,500/* Payback period 3 Years*
- Investment for a 5 HP Solar Pumping System Rs.4, 50,000/-

