



# EMPOWERING WATER WARRIORS

with WaterApp

## Off Grid Farm on the Outskirts of Pune



### ISSUES FACED

- Summers are harsh. Don't know water level of dug well, bore well.
- There is no network AT ALL. Farm is fully solar powered.
- **Recoup rates are unknown.**
- No reliable data for crop planning. Too many seasonal changes.
- **High electricity bill** + pumping based on caretaker's judgement.
- Risk of damaging the pump (**dry run**).
- Cannot monitor farm operations remotely.

### HOW DID WATERAPP HELP?

- Water level data, historical, seasonal data and recoup rates enable the farmer to **plan** his **crops** year round.
- Recoup rates help to optimize groundwater extraction.
- Pumping rate indicates if the pump is working efficiently.
- **Optimal Operation:** operate pump only for the volume of water needed to wet the entire farm.
- No risk of a dry run.
- In spite of zero network connectivity, farm owner can **keep an eye on crop watering** from anywhere.

### NEXT STEPS

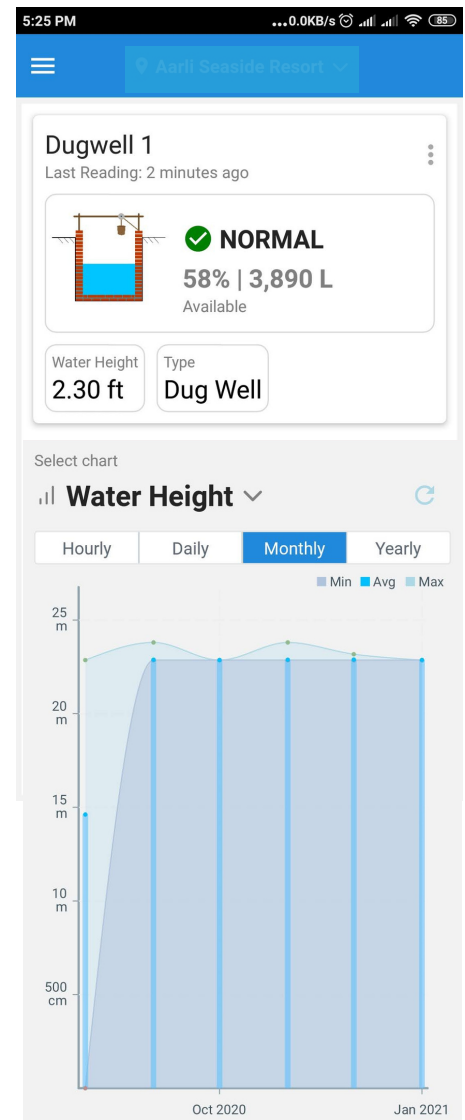
- Pump Automation.
- Soil Moisture Sensors.

### WATER CONFIGURATION

OVERHEAD - 2

DUG WELL - 1

BORE WELL - 1



[www.WaterApp.in](http://www.WaterApp.in)



[contact@WaterApp.in](mailto:contact@WaterApp.in)