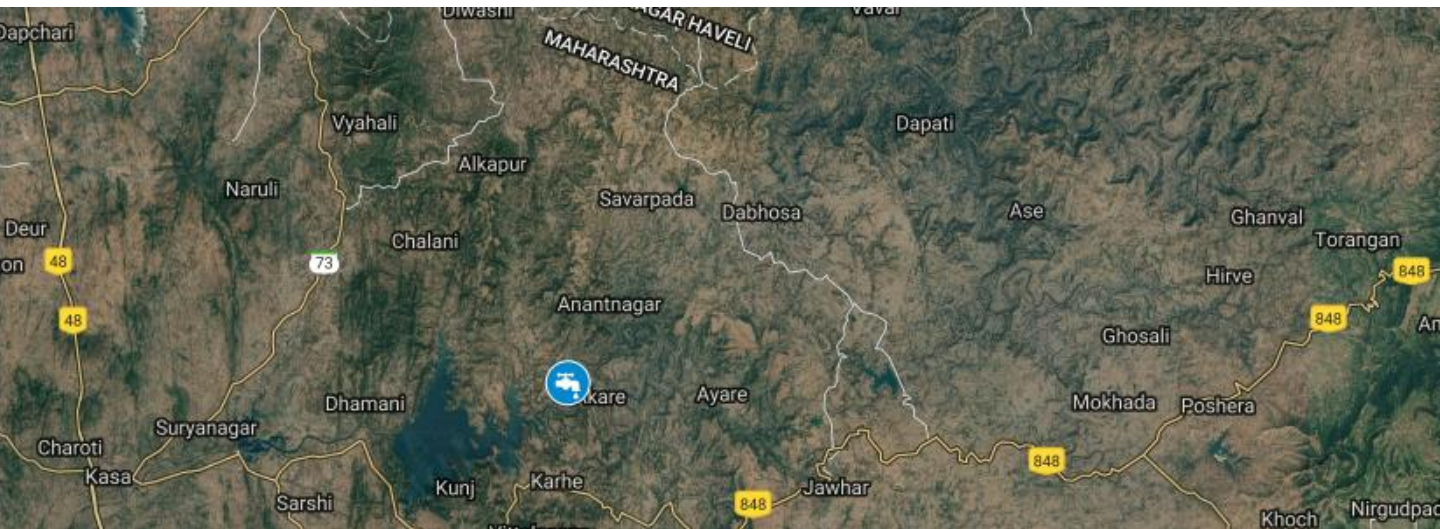


# Ambyachapada Maharashtra

19°56'36.8"N 73°07'34.3"E  
Jawhar Tehsil  
Thane District

35 Population – 6 Farmers  
Date of Commissioning April 2016  
Solar Water Pump – Irrigation – Group Farming



## Case

Ambyachapada, located in the tribal region of Jawhar Tehsil cultivated a small amount of land for a second season using a Diesel pump. Their main water source for this was a nearby dam. However, cultivation was limited for reasons such as;

- i) Cost of diesel and unavailability
- ii) High operational costs could not increase profits

### Technical Specifications

Pump make –Shakti  
Solar Panel : 320Wp Anchor by Panasonic  
Depth of water source – Well – 9m  
Total Head – 35m  
Pipeline – 500m  
Crops - Ladyfinger, Onion, Beans, Groundnut and Mulberry tree



## Solution

Pragati Pratishthan an NGO working in Jawhar tehsil understood the problems faced by the farmers of Ambyachapada and with Gram Oorjas technical and social support a solar water pump was installed. The group of 6 famers that used to use a diesel pump with little profits now moved to using a solar water pump. In less than three years they expanded their cultivable land from 2 acres to 7 acres. They started growing a variety of crops such as ladyfinger, beans and groundnut apart from their regular rice and grains from the monsoon season.

Project Completed by Gram Oorja Solutions  
Project Supported by Pragati Pratishthan







Cultivation via Solar Water Pump



Solar Water Pump System

Project Completed by Gram Oorja Solutions  
Project Supported by Pragati Pratishthan

