

Vasantwadi Maharashtra

19.44933, 78.10352

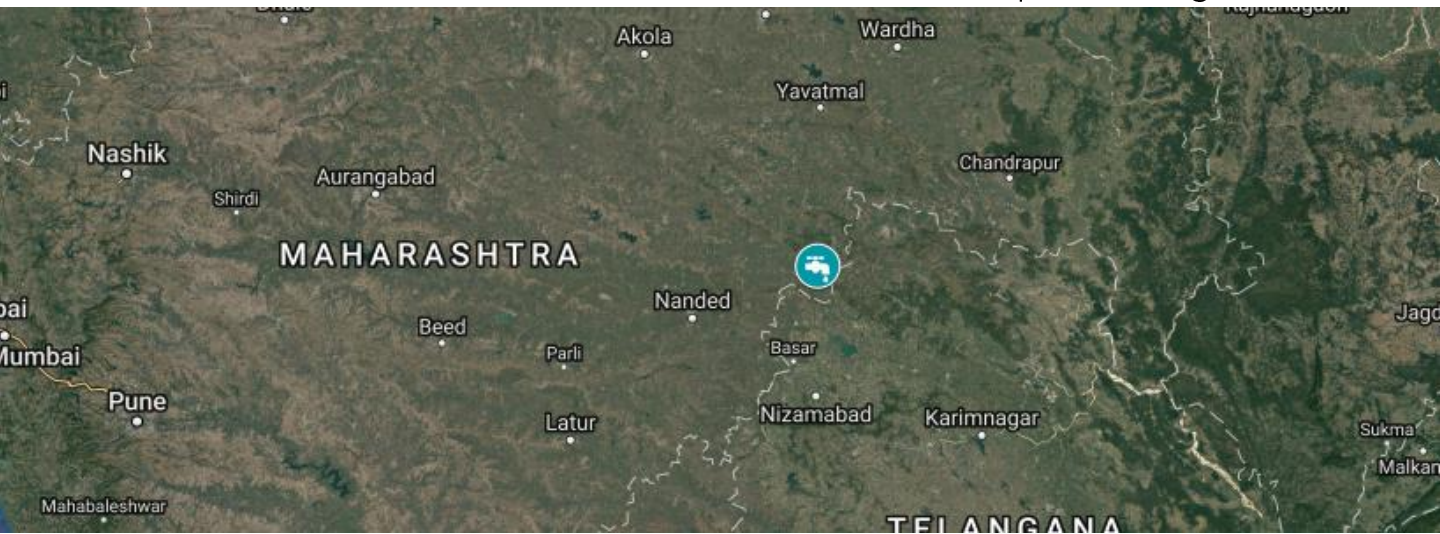
Kinwat Tehsil

Nanded District

46 Households. 300 Population.

Date of Commissioning 27th January 2018

Solar Water Pump - Drinking



Case

Geographical disadvantages compelled the people of Vasantwadi to spend a sixth of their day on collecting water for their domestic needs. Placed in hilly region, often a bull and cart was used to traverse 7-8kms twice a day just to collect water, disabling the ability of many children, men and women from conducting other activities. Collection of water this way had just become a way of life.

Technical Specifications

Pump make –Shakti / SSP5000-180-5.5

Solar Panel : 320Wp Anchor by Panasonic

Depth of water source – Well – 9m

Total Head – 149m

Pipeline – 3.2km

Cattle population – 500

Water requirement – 22500 litres



Solution

The water source identified was a well near Dhamandari village. Since the well is very near to a dam, the water level does not go down drastically. The villagers in Dhamandari were cooperative and were okay with water being drawn for Vasantwadi. They were confident that even with water being drawn for two villages, the well will not dry in Summer. With this installation, there will be a measurable difference in the life of the Vasantwadi people. The value that easy access to a resource like water can create is beyond imagination.



Water source : Open well



Water storage tank



Pipeline work



People celebrating and conducting Pooja for the new system