



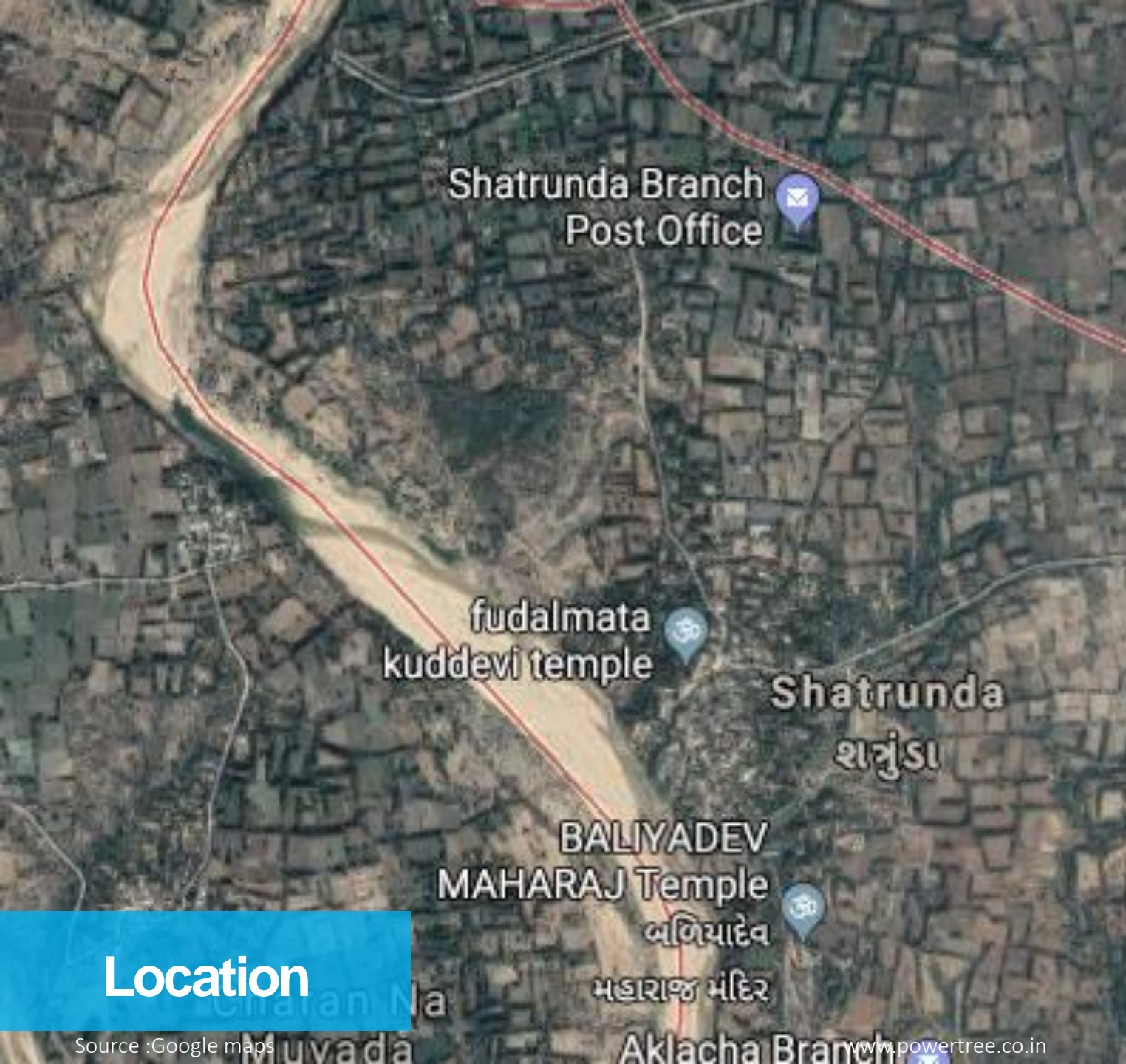
SOLAR WATER POWER TREE

for providing Safe Drinking Water on Sustainable Basis

ओएनजीसी



ONGC



Location

Source :Google maps

- Locality Name : Shatrunda (શત્રુંડા)
- Taluka Name : Mehmedabad
- District : Kheda
- State : Gujarat

Project by :

ONGC CSR Initiative (Ahmedabad Asset)

Educational Partner:

Pandit Deendayal petroleum University

Implementation By:

Imagine Powertree Pvt. Ltd

Title of the Project :

Installation of Water Power tree for
Providing Safe and Sustainable
Drinking Water to Shatrunda Village

Concern

People Live without Access
to Safe Water from Last 60
Years

1600 ppm

Is Total Dissolved Solids in
Water they are Drinking
from Last 60 Years

Majority

Of Population is Having
Water Born Disease Like
Kidney Stone

Limited

Due to Budget Constraint
Gram panchayat is Not able
to Invest for Electricity
Charge for Installting RO

Why Powertree





14, 60, 000 Ltr

Safe Drinking Water in a Year

4000 L

Water Generation from
Water Power tree Per Day
for 5 KW Capacity

97%

Area Consumption Saved
compare to Normal Panel

450

Families of Shatrunda
Village has direct access to
safe drinking water

2500

More than 2500 people will
directly benefit from this
initiative

SOCIAL IMPACT

HealthCare:

- Direct Impact to 450 Families who are Drinking High TDS of 1600 from Last 60 Years
- Solar power tree will help to decrease in Water Born related disease like Kidney stone, Malaria, Cholera which is faced by majority of the Villagers on Regular Basis

Sustainability:

- This is first Solar Project which is Installed in Entire Village – Success of this project will indirectly promote importance renewable energy and its usage
- This is also the **first Solar Water Power Tree** installed in INDIA.
- Powertree Provided training for Operations and Maintenance of the Plant to Nominated Person from Sarpanch

Community Building

- This will become the Centre Point of Village Community due to Seating Arrangement, Night Lights and other facilities

Benefits

- Simple, Elegant and Versatile for Multiple Uses
- Customizable and Beautiful
- 97% less Space Compared to Normal Solar Plants
- Shadow for the Other Usage
- NO transformer upgrades
- Safe Drinking water with TDS of 100 ppm (Approved Limit by WHO : 350 ppm)
- NO demand charges or kWhs from grid
- NO site acquisition
- NO resurfacing
- Can be installed in Mountains and remotest location

Value Proposition



Team Powertree with Sarpanch and Talati and Other Local Village Friends During Alpha Testing of the Product



Training on Operations and Maintenance to Sarpanch and Other Representative by Powertree Team



Villagers During Alpha Testing Taken Water at their home for better future

Milestones Achieved

Inauguration

Planning is underway

**28th October
2018**

Alpha Testing Completed,
Training Provided for Operations and
Maintenance

Product Developed and Tested at
Shatruda Village

**15th October
2018**

Product Developed and Tested
in Laboratory

**15 September
2018**

Procurement and Product Development
Started

Work order Received From
ONGC CSR Initiative

**10th August
2018**

**31st July
2018**



Thank You
for Helping us to Create an Impact for
providing Safe Drinking Water

