

# Roof top rain water harvesting and Conjunctive Water Use



POWERING A GREENER TOMORROW



## Goals:

- Install Roof Top Rain Water Harvesting systems to harvest 90 % rain water received in the area of the Supa office and Canteen roof.
- Establish a system to access 1200 cubic meters of rain water.
- Connect present water systems & resources to the newly developed system and pull resources to optimize the cost.
- Reduce Water Tanker requirements by 75 % in the Supa office.
- Recycle and Reuse of waste water
- Develop integrated natural resource management model for other site offices of Suzlon in India.



## (Farm Pond at Supa with water holding capacity of 1200 cubic meters)

**State** : Maharashtra

**Location** : Supa Wind Farm Office

**Issue** : Environment

**Brief of the activity** : Supa Wind Farm's annual water requirement for utility purposes is 1800 cubic meters. We are currently fulfilling these water requirements by purchasing water tankers. It is for this purpose, that we constructed a farm pond with a capacity of 1200 cubic meters to collect Roof Top rain water. The existing tube well is not fully fulfilling this water requirement. Hence we plan to harvest roof top rain water (560 + 640 cubic meters worth surface and ground water respectively).

**Progress** : Farm pond with a capacity of 1200 cubic meters has been constructed.  
A Roof top water harvesting system has been installed.

**Benefits** : Tanker Requirements would reduce by 70% through this initiative in the coming year.

**Quick Information** : Time Period: Junel 2008 to July 2009

**Partners** : Supa Business Unit Team & Gram Gourav Pratisthan (Pani Panchayat) Pune