

## **Field survey of sources of water in Padgha and Surrounding 14 Villages**

Fifteen Students conducted survey of sources of water in Padgha and surrounding 14 villages with the following objectives.

1. To know the sources of water in and around Padgha which can be used during the scarcity of water
2. To know the sources of income available to locals due to these water reservoirs.
3. To know the history behind the wells as a water source.
4. To find out the measures to control pollution of river water.

During survey the students found out that there are 47 wells, 14 lakes and 5 rivers. Well water is being used for animals, drinking, farming, construction and watering trees. Wells located outside the village are usually used for farming and wells in the village are used by villagers for drinking water, Washing clothes, taking bath, cleaning vessels. Pipeline from well supplies water to the entire village. Wells are cleaned frequently.

Lake water is used for construction. Lakes are usually used for Ganesh immersion. It is also used for washing clothes, cleaning vessels and drinking. Students marked tree plantation near lakes.

Lake water is also used for farming. Villagers seem to have some superstitions about lakes. Some villages near Padgha have rivers as a source of water. Rivers water is used by villagers for fishing. It is also supplied to farms located nearby. Shepherd take their animals to rivers for drinking water. Some ladies regularly go to rivers for washing clothes. Brick industries also use river water.

### Findings of the survey

Most of the wells need regular cleansing. Some wells are destroyed by villagers by filling soil in them. Wells can be viewed as an instant source of water during acute shortage of water. People from all communities are allowed to use well water without any restriction.

Regular water removal from lakes is required for keeping its water clean. The depth of lakes needs to be increased.

Water level of agricultural land surrounding lakes marked significant increase.

Lakes and rivers provide a source of income to villagers as they get lotus from them.Both these sources are useful for fishing.