

Institute's Distinctiveness

As part of the Institute's distinctiveness, the college has materialised a Rain water harvesting project and the said plant has been established within the college compound. It has been funded by the P C Chandra Group, Kolkata and Prabhu Jagatbandhu College, Howrah during the financial year 2020-2021.

Amid the pressing problem of the scarcity of fresh water, the rainwater harvesting has proved to be a fruitful scientific practice. Rain water harvesting is actually a collection of raindrops.

Objective of this Project:

- 1) Use of rainwater as a potential alternative to ground water
- 2) Recharging the ground water aquifer

Particulars of the Project:

- The specific devices are set in the rooftop and the rainwater from the collection area flows through the gutters and accumulates into storage tank. This accumulated water is subsequently used in various purposes like gardening, washing and in some cases after percolation it may be used for drinking purposes if the adequate filtration mechanism is added to the storage section.
- The college in the rooftop of the newly constructed building has set up the collection devices and for storage two PVC tanks of 5000 litres of water storage capacity each on the ground. It is generally presumed that 10,000 litre of natural water will help reduce the cost of daily consumption of water, regularly required in the campus. Besides, it also helps the college to adopt an eco-friendly initiative.
- The plant bears an advanced mechanism of recharging the water into ground. The accumulated rain water bears an advanced mechanism of recharging the water into the ground through groundwater aquifers. It serves to help maintain the ground water level, reducing day by day in the urban areas.
- The college proposes to attach a high capacity filtration mechanism so that everybody in the college easily gets natural drinking water. To that effect the college requires sufficient financial assistance from concerned authority.

- The college authority understands that enough manpower is required to maintain the hygienic condition of the devices, water pipes and storage tanks. In this respect the college authority is going to take timely initiative to deploy trained personnel for the said purpose.
- The college further envisions encouraging the local administration to follow this model of rain water harvesting to have a healthy water resource which is, in recent years, reeling down. The rain water harvesting model may be a good alternative to the groundwater pumped every day to commensurate with huge demand in the day to day civil life. Some simple devices of Rain Water harvesting of this college lead to the path of effective sustainability.



The Rainwater Harvesting Plant in Prabhu Jagatbandhu College