

Rain Water Harvesting System at Sports Club

To collect surface runoff rain water from the BPCL Refinery sports club ground and use the same as makeup water requirement of CCR raw water Cooling Tower inside the Refinery, a Rain Water Harvesting System has been implemented at the BPCL Sports club in Mumbai.

Rain water falling on ground is now collected through a system of existing and newly constructed storm water channels running around the periphery of the ground. Underground precast modular filtration system "Furaat" has been provided to filter surface runoff water. The filtered Rain water is channelized by common header of 160 mm dia HDPE pipe to 250 cu.m. U/G RCC Tank.

In order to bring water from sports club to refinery, busy Ghatkopar Mahul Road was cut for laying the 3" dia pipeline with sleeve. Special permission from statutory authority like MCGM & RTO was obtained. The job was completed within the stipulated period of 3 days and with least inconvenience to general public.

The Refinery Sports Club ground has a catchment area of 25,170 Sq.Mt. and rain water harvesting potential of 53,289 Cu. Mt per year. The system was inaugurated by Shri S S Sunderajan, Executive Director (Mumbai Refinery) in June 2014



Shri S S Sunderajan, Executive Director (Mumbai Refinery) launch the Rainwater Harvesting System at BPCL Sports Club, Mumbai