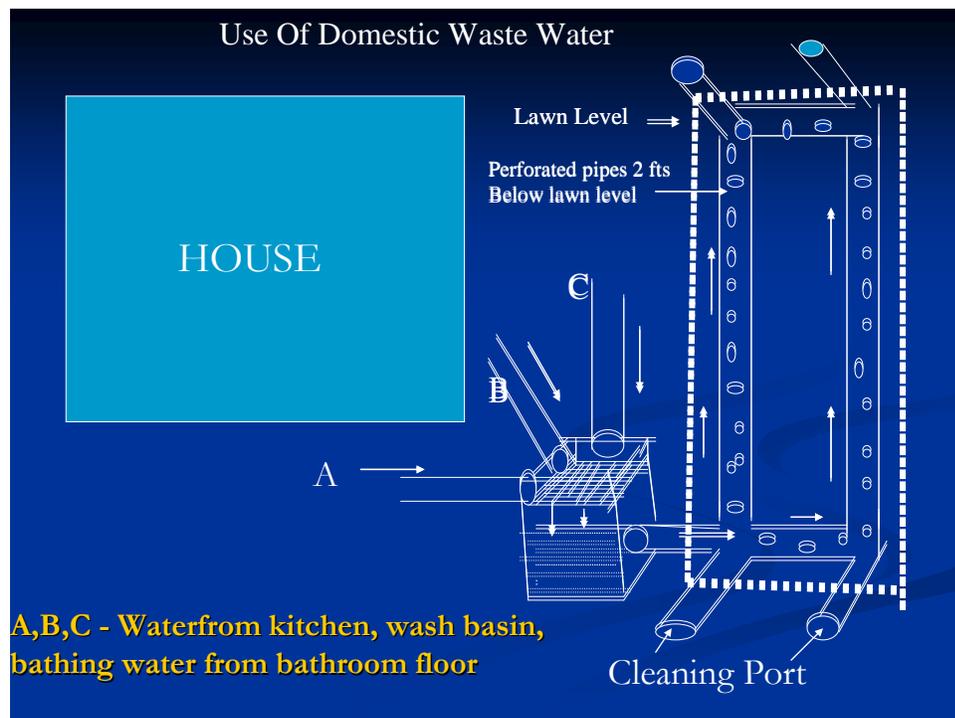


Dr. Sanjay and his wife Dr. Meeta are deeply concerned with the present environmental problems and believe that every one of us can play a role at an individual level to improve our environment. In their new house, they have designed a different kind of domestic water harvesting for reusing the domestic waste water for kitchen garden and the lawns. Besides, they have also installed a modified rainwater harvesting system that requires less cleaning and can store more water in case of heavy rains. They are using the solar energy for hot water and garden lights.

Domestic Water Harvesting

We have designed a unique system of reusing the waste water from domestic use i.e. from kitchen, wash basin, bathing water from bathroom floor [except that of commode that goes directly to main sewer line outside]. This waste domestic water is initially passed through a small filtration chamber containing fine iron grill. This grossly filtered water is then allowed to pass through underground perforated plastic pipes lying about two feet below the ground level. This water is absorbed by the soil and some of this water comes to surface through capillary action. This whole process is a passive one based on gravity and does not need motorized function. This reduces the demand for watering the lawns and kitchen garden.

Rain Water Harvesting: Besides this we have also made the provision of rainwater harvesting. We have modified the rainwater harvesting to allow better and adequate filtration of the rain water before it reaching the ground water. It requires less cleaning and can store more water in case of heavy rains.





underground perforated plastic pipes

SEP 11 2006



The lawn developed over the same area containing perforated pipes

APR 27 2007



Solar water geezer