

Waste Water Pond: A Blessing in Disguise



In Amampura; one of the Project villages, almost all households have individual toilets. In 3% households there is no drainage system at all, 54.6% of the household toilets are connected to septic tanks; only 2.6% toilets are connected to piped sewage system while 30.9% of toilets are connected to other

systems like soak pits. All the sewage and rainwater is being channeled through the drains into a big pond in the village.

There is no proper drainage system in the village. All the sewage of the households is carried by open drains that overflow during rainy seasons which emit the bad odour as well as give an unsightly view. As these drains dispose the sewage water into the pond so it is becoming a breeding zone of mosquitoes and disease causing bacteria. Apart from that, pond water is contaminating the groundwater too.



After seeing the hazardous situation a joint meeting of villagers, panchayat, irrigation dept, PWD, agriculture dept, water and sanitation dept, Punjab pollution control board was arranged by CARD Sirhind Team to discuss a sustainable plan for the waste water management. Solution involves the installation of waste water pipeline (RCC NP2) from pond to waste water

reservoir covering 1.3 km distance, construction of nakkas (outlet channels for irrigation) to provide water for irrigation to the adjoining fields; a total of 13 nakkas have been constructed, construction of filtration tanks/wells including a proper channel for the waste water to enter the pond and a lifting well for the irrigation purpose. The construction of waste water reservoir at the end of the pipeline is also to be constructed in the final phase of the intervention.

Construction of 13 nakkas has been completed followed by water testing to ensure the quality of water and it is found that water is fit for irrigation purpose. After the successful execution of management of waste water, farmers have started using the water for irrigation through nakkas. With the onset of summers, the intervention will speak well for the achievement and rest will be the history.

