## WATER FILTRATION SYSTEM IN SRI LANKA **INTAKE PUMP HOUSE** FOR THE PAST DECADE ≺ An intake structure was constructed at Gohagoda (Kandy area name) to obtain water from the The residents of Kandy city and its outskirts have been experiencing severe shortage of water. The Mahaweli River. situation worsened when the population growth increased annually, a water treatment plant is build to resolve the situation. PUMPS AT THE INTAKE HOUSE **DISTRIBUTION CHAMBER** Pumps from the top as seen in picture above driving water through the pipe This water is channeled via a 1.6km pipeline to the Treatment Plant to be purified. DISTRIBUTION CHAMBER **FLOCCULATION BASIN SEDIMENTATION BASIN** SEDIMENTATION BASIN FLOCCULATION BASIN FILTRATION AND BACKWASH WATER RESERVOIR Clear water reservoir for storage of clean water to be send to the people in the central province kandy WATER RESERVOIR PIPE BRIDGE A pipe bridge is also constructed for a 700mm pipeline laid across the Mahaweli River in order to supply water to the Kandy City. **CONTROL ROOM** Scada System, control room to control the water flow HITACHI SCADA CONTROL ROOM **CLEAN WATER TO HOUSEHOLD** Happy People with clean water Hotels and Businesses Houses in Kandy