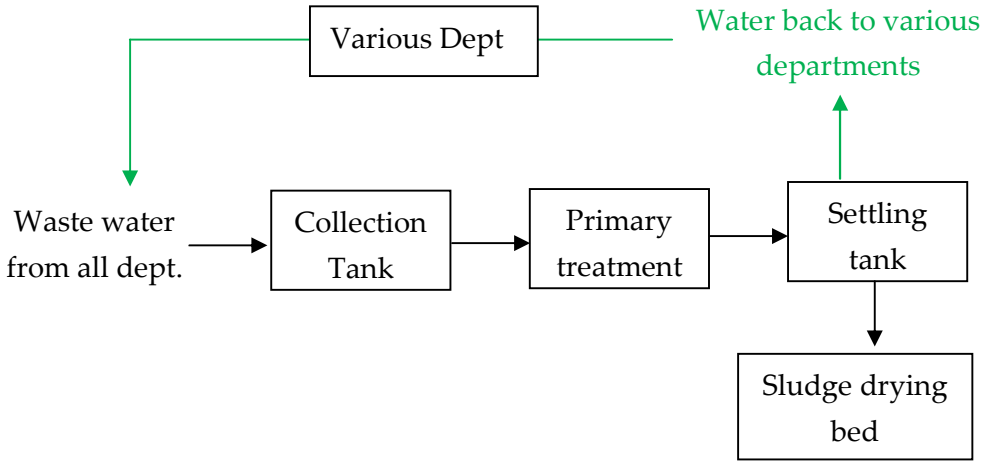
100% Reuse of Water & Sludge in the Process

(Zero Liquid Discharge)

Case Study – 1	Wall and Floor tile manufacturing industry, having a Waste Water treatment plant designed to reuse 100% of water back to the process in wet grinding
Implementing the technology	Before: • The effluent generated in the plant was sent for treatment in the Effluent Treatment Plant and the waste water generated was not recycled/reused anywhere. After: • The waste water after the primary treatment of the effluent is pumped back into the plant for utilizing in the slip preparation (wet grinding) operation. Flow diagram of the Zero Discharge waste water recycle plant (ETP) 

Benefits		
Environmental	Before: • High consumption of fresh water • Waste of water in the disposal of the effluent	After: • Conservation of fresh water by recycling of waste water back into the process, hence saving the same amount of fresh water • Zero discharge of liquid from the industry
Economical	Industry had to buy more amount of water from the GIDC water supply system.	Reduced amount of purchase for fresh water due to recycling **134.13 KL/Day** of waste water.