


Case Study – 3	Low Tension Ceramic Insulators manufacturing industry	
Implementing the technology	<p><b>Before CP:</b> The process waste water generated in the plant (from press and frame filter during formation of wet cake) was disposed off and was not recycled/reused anywhere.</p> <p>The waste water also contained processed raw material filtered from the press filter machine, which was also a considerable loss to the industry.</p> <p><b>After CP:</b> Industry has built two waste water storing and settling tanks in which all the waste water from the press and filter section is stored.</p> <p>After settling of the solid particles/sludge, 100% of water from the tank is pumped back to the ball mill, in the wet grinding operation, leading to Zero discharge of water.</p> <p>Also, the sludge remained after the settling of solid particles, is removed from the tank regularly and is used along with the fresh raw material in wet grinding operation.</p> 	
Benefits		
Environmental	<p><b>Before CP:</b></p> <ul style="list-style-type: none"> <li>• Wastage of water in the drainage</li> <li>• Wastage of solid material along with the drained water</li> </ul>	<p><b>After CP:</b></p> <ul style="list-style-type: none"> <li>• Recycle of 100% of waste water and sludge into the process, conserving <b>3 KL/Day</b> of water and <b>7 MT/month</b> of sludge.</li> </ul>