

# FACT SHEET

## CRYSTAL CANDY

APRIL 2014

Crystal Candy managed to improve its productivity by 38,75% for every m<sup>3</sup> of water utilized.

Crystal candy is a company specializing in the production of chocolates and sweets. The company has been recording specific water consumption averaging 17m<sup>3</sup> per ton of product which is far above the benchmark of 9m<sup>3</sup> recorded in the region. In addition, the factory produced high strength effluent recording high levels of COD and BOD.

A water optimization

project carried out at the factory revealed that major water losses were happening due to leakages, steam losses, negligence and wasteful cleaning systems.

In response to these challenges, the RECP team trained the factory personnel on water use optimization, billing and leak detection systems. Better process control technologies and sectional metering of high water consuming areas was proposed.



Mr Chinyepe carrying a water audit at the factory

### Productivity ratios before and after RECP Intervention

Company	Area of Intervention	Baseline (B) productivity ratio	Follow-up productivity ratio	Change (C) (C= 100* (A-B)/B
Crystal Candy	Water	0.06	0.10	38.75%