

ENERGY CONSERVATION AT HINGURANA SUGAR FACTORY
SRI LANKA SUGAR CORPORATION

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In this presentation, the production process and the energy concept involved in a sugar factory is discussed with an emphasis on the Hingurana Sugar Factory of the Sri Lanka Sugar Corporation. The important contribution of bagasse to the energy requirements of the factory is explained. The energy consumption pattern of the Hingurana Sugar Factory over the recent past and observations therefrom are listed. Certain steps that could alleviate the dependance of the Factory on external fuels are identified. These include measures to ensure a continuous supply of bagasse, monitoring of imbibition water, study and control of boiler performance, prevention of energy (heat) losses, reorganizing the electrical power supply, installation of capacitor banks and replacement of oversize equipment.

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