

Cane sugar diffuser for India



After several decades in which India primarily looked to cane mills for raw juice extraction from sugar cane, a rethinking process has started in many factories, especially among the younger generation of executives.

In November 2010, BMA signed a preliminary contract with R.K. Powergen in Chennai (formerly known as Madras). Under this contract, BMA will provide engineering services and drawings for a sugar cane diffuser with a capacity of 5,000 tcd (tons of cane per day), supervise the manufacture and assembly of the equipment, and also commission the plant. To be able to meet the rather tight time schedule, the required design and engineering work has already started.

The key factors for the customer for placing this order with BMA were some excellent comparisons and presentations given by Indian technologists, but also successful seminars and talks that BMA specialists have had with various factories, local advisers and guests at trade fairs in recent years.

This has stimulated a growing interest in replacing conventional mill technology with diffusion technology when planning new or expanding existing cane sugar factories. The main reason for this is that a higher sugar yield can be achieved with a lower energy input. While, in cane mills, the sugar juice is pressed from the cane with considerable force (mechanical extraction), BMA diffusers use the cross/countercurrent flow principle for solid/liquid extraction, which is a much more efficient process.

Since in India, as in other countries, sugar factories can sell the surplus of electrical energy they produce in their modern high-pressure steam boilers and feed it into the national grid, BMA cane diffusers can be used as an effective tool for increasing the amount of energy generated from renewable raw materials.

Bernhard Schmidt



Benefits

- Higher yield
- Lower power consumption
- Much reduced maintenance requirements
- Simple foundations
- Can be installed outdoors
- Reduced risk of infections
- Easy to operate



*Not an unusual sight:
cane arriving in the factory
with an ox cart*