

Diffuser in India in operation for its sixth successful campaign



*Sugar cane arriving in
the factory*

In recent years, there has been growing interest among sugar producers in replacing conventional mill technology with diffusion technology when planning new cane sugar factories. The main reason for this is a higher sugar yield, at a lower input of electric power. While, in cane mills, the sugar juice is pressed from the cane with considerable force (mechanical extraction), the BMA diffuser uses the countercurrent principle for solid/liquid extraction, which is a much more efficient process.

With the installation of BMA diffusers, sugar factories in India and other countries can generate, and sell, a considerable amount of surplus electric power. BMA cane diffusers thus make a substantial contribution to the growing market in generating energy from renewable sources.

Since 2004, Sagar Sugar in Nelayo Village in the State of Uttar Pradesh has excellent reference material for BMA sugar cane diffusers: 4m wide and 59m long, with a capacity of 3,500 tcd, this diffuser started its sixth campaign in November 2009. The customer is more than satisfied with the process data the diffuser has achieved since it was initially commissioned by BMA staff.

BMA diffusers are available as cane and bagasse diffusers. The standard version can be delivered with widths between 4 and 12 metres; customised sizes are possible. Depending on the fibre content of the cane, these diffusers can process between 3,000 and 20,000 tcd.

Bernhard Schmidt



*The Sagar Sugar
diffuser*

Benefits

- Higher sugar yield
- Lower power consumption
- Much reduced maintenance requirements
- Simple foundations
- Outdoor installation
- Reduced risk of infections
- Easy to operate