



# AUTO SEED-SLURRY DOSING SYSTEM

The sugar crystallization is one of the important section in sugar industry. Here, sugar Seed-Slurry is used for crystal formation.



In sugar Seed-Slurry dosing method, the liquor is concentrated till it reaches metastable zone. Then crystallization is initiated by admitting some very fine sugar seed in the form of a slurry, which provides the nuclei to start the crystallization. It's quality and quantity are very imperative to form the high quality sugar grains. Sugarnpower Projects supplies a state-of-the-art Auto Seed-Slurry Dosing System for Raw Sugar, White Sugar and Refined Sugar Plants.

# SPECIAL ATTRIBUTES

- ✓ Robust Dosing Pump for Seed-Slurry dosing with VFD system.
- ✓ Suspension Tank with Agitator for preparation & uniformity of the sugar Seed-Slurry.
- ✓ Auto operation with DCS / PLC System.
- ✓ Controlled & Efficient quantity measuring / dosing unit.
- ✓ “Clean-In” Process to avoid the jamming of Seed-Slurry in operation.
- ✓ Flame proof Electrical & Instrument components.
- ✓ Food Grade Material used for wetted parts.



# ADVANTAGES

- ✓ Improved crystallization process by feeding controlled quantity of Seed-Slurry.
- ✓ Efficient dosing operation with minimal human interface.
- ✓ Contamination prevented in dosing process.
- ✓ Low maintenance, high reliability.
- ✓ Reduced manual operation cost.