

SLUDGE HANDLING

CHALLENGES

SLUDGE DISPOSAL



Huge amount of sludge generation post effluent treatment by industries



Mandatory to send the sludge to government allocated landfill sites



Sludge consists of 80% water and 20% solid

HIGH COST OF DISPOSAL



High cost of disposal of sludge – between ₹8 - ₹16 per kg



Sludge disposal cost increases due to the 80% water content



Sludge needs to be dried to the maximum extent to reduce disposal cost

CONVENTIONAL SLUDGE HANDLING



20% is the maximum dryness possible with conventional sludge handling methods



The sludge drying beds emit a bad odour, attract flies, and are often unhygienic

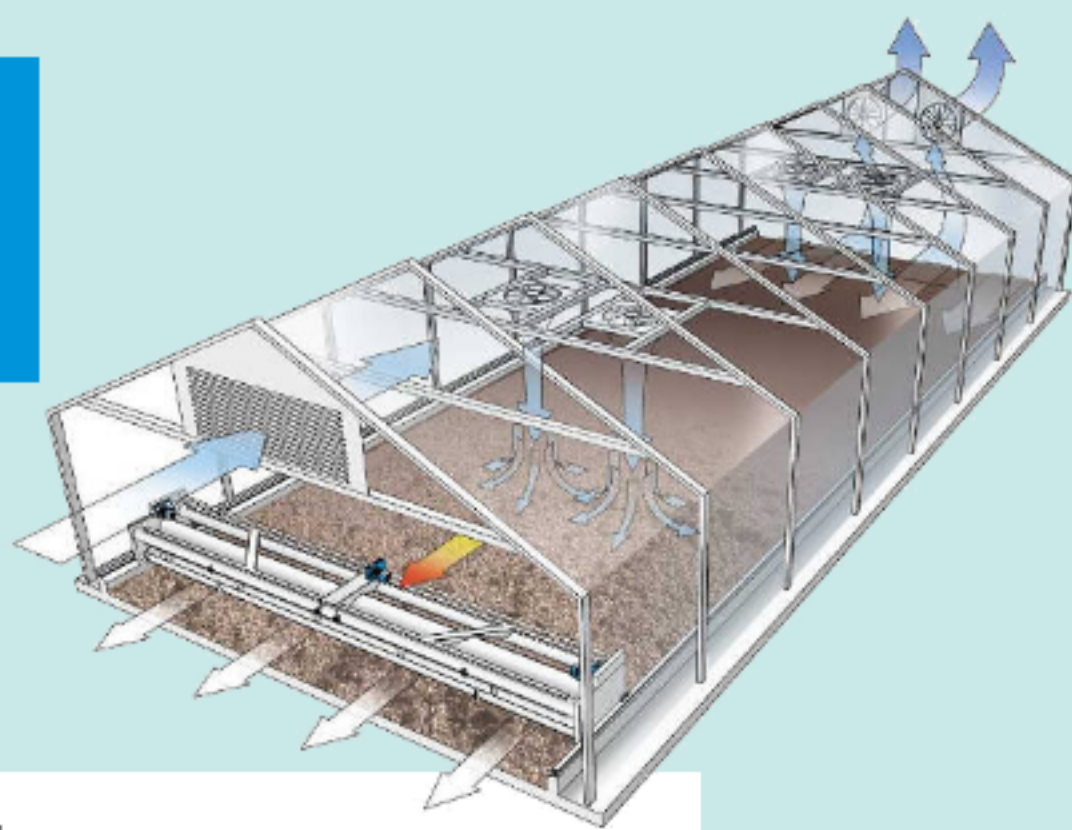


Cumbersome process – sludge needs to be regularly turned manually

SOLUTION

HUBER SOLAR SLUDGE DRYERS

For wet sludge capacities of above 4 tonnes per day



Sustainable, eco-friendly process

Designed for up to 90% dryness, this method utilises the greenhouse effect to amplify natural solar heating



Efficient turning and aeration

Turning and aeration of sludge happens continuously for consistent sludge drying and thus preventing odour emission



Low operating cost

Optimised evaporation efficiency with low energy consumption



Value from waste

Dried sludge can be used as fuel supplement if it is completely organic

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