



Malhari Projects Pvt Ltd

Waste Disposal Machine Manufacturer

Moisture Removal Plant (Steamless)

Steam Less

Problem

**OPEX is very high for removing the moisture in the
Raw Material, Product or Waste
Due to Steam cost.**



•**High Steam Cost**



•**Moisture In Dry Cake**



•**Not in Powder Form**

Solution: Moisture Removal Plant (Steam less)

1. **90-95%** Moisture Reduction .
2. Operational Cost Reduction By **60-80%**.
3. **OPEX 0.5 to 1.5 INR/Kg***.
4. Totally **Electrically Operated**.
5. Low energy Consumption (**0.1 Kw/Kg***).
6. **Fine Material** As End Product.
7. **Continuous Process** with less human expose



Moisture Removal Plant (Steamless)

Performance Study

Company Name	Aarti Pharmalabs	Aditya Birla Grasim	Dr. Reddy's Laboratory	Gujarat Fluro Chemicals (GFL)	Tatva Chintan Pharma Chem Ltd.	Trans Thane Creek Waste Management Association
Waste Name	Bio & Primary Waste	Epoxy Sludge and Slurry	Process Effluent Sludge	CaCl ₂ Sludge	Chemical Sludge	Mix Sludge
Feed Moisture %	70.50%	88.88%	82%	70%	80%	75%
Output Moisture %	0.15%	1.40%	2.15%	7.75%	6%	5.70%
Moisture Reduction%	99.78%	98.42%	97.37%	93.21%	92.51%	92.40%

Note: We have also achieved moisture content <1% in some cases. So it can be customized.

Our USP

Parameters	Dryer	Radiating Dryer; Steamless
Input Moisture %	70-80%	85-90%
Output Moisture %	≤ 10-15%	≤ 5-7%
Working Temperature	150-250 °C	350-450 °C
Heating Transfer	Conduction	Radiation
Output Material	Soft Granules	Powder
Heat distribution	Non-Uniform	Uniform Heat
Energy Consumption	1+ KW/Kg.	0.1 KW/Kg.
Utility Required	Boiler	Electricity
Accessories	Utility Piping and Insulation	None
Process	Paddle, Tray	Continuous
Opex	6-7 Rs.	0.9-1.4 Rs.
Skills	Skilled	Semi-skilled
Working Objective	Moisture reduction	Precision Parameter control
Maintenance	Regular	Preventive

Malhari Projects Pvt. Ltd.

THANKS, TO YOU



Contact Us:

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