

Zero
Liquid Discharge



Distilleries

with Slop Fired Boiler

175 KLPD Multi-Feed Distillery with 44 TPH Slop Fired Incineration Boiler and 5 MW Power Plant on turnkey basis at Dwarikesh Sugar Industries Ltd., Faridpur, Bareilly (U.P.)



Distillation Section at a Distillery Plant



Centralised Control Room at a Distillery Plant



ENGINEERING FOR EXCELLENCE

**Fermentation
Efficiency**

93⁺%

**Distillation
Efficiency**

99.5%

**Dehydration
Efficiency**

99.5%

**TURNKEY
SOLUTIONS**

*Spent Wash Evaporator System for 175 KLPD Ethanol Plant
at Dwarikesh Sugar Ltd., India*



*160 KLPD Multi-Feed Distillery with 48 TPH Slop Fired Incineration Boiler
and 5.6 MW Power Plant on complete EPC basis
including Civil Work at Saraswati Sugar Mills Ltd., Yamunanagar (Haryana)*



Steam Consumption

C-Molasses : **3.6 Kg/L** of Total Spirit
B-Molasses : **2.35 Kg/L** of Total Spirit
Syrup : **2.2 Kg/L** of Total Spirit
Grain(Rice) : **3.2 Kg/L** of Total Spirit

Process Design

for RS / ENA / Ethanol (Fuel Grade)
Ethanol (Pharma Grade)
for Feedstock:
Final Molasses / B Heavy Molasses / Cane Syrup
Maize / Rice / Potato / Sorghum / Cassava

Capacity

Up to 800 KLPD

OPERATION MAINTENANCE & RETROFITTING

160 KLPD Distillery Plant
at DCM Shriram Hariawan (U.P.), India



80 TPH, 45 kg/sq.cm. (g), 400 Deg. C,
Slop / Bagasse Fired Travelling Grate Boiler at DCM Shriram Sugars, Ajbapur (U.P.), India



130 KLPD Distillery Plant
at Dwarikesh Sugar Industries Ltd., Bijnor (U.P.), India





Major Customers

Customer	Capacity	
500 KLPD Distillery Plant on Grain / Syrup / B Molasses on Turnkey basis	Pancha Ganga Sugar and Power Pvt. Ltd.	India
300 KLPD Distillery Plant on Grain / Syrup on Turnkey basis (Repeat Order)	Shree Kedarnath Sugar & Agro, Karnataka (Nirani Group)	India
225 KLPD Ethanol Plant on (Syrup / B Heavy / Grain)	JGN Sugar & Biofuels (P) Ltd., Uttarakhand	India
225 KLPD Distillery Plant with 80 TPH Slop Fired Boiler (Repeat Order)	DCM Shriram Ltd., Ajbapur	India
200 KLPD Distillery Plant on Syrup / B Molasses with 60 TPH Slop Fired Boiler	Melbros Sugar Pvt. Ltd., Bagalkot	India
175 KLPD Distillery Plant with 44 TPH Slop Fired Boiler & 5 MW Power Plant (Repeat Order)	Dwarikesh Sugar Industries Ltd., Bareilly	India
160 KLPD Distillery Plant with 55 TPH Slop Fired Boiler	DCM Shriram Ltd., Hariawan	India
160 KLPD Distillery Plant with 48 TPH Slop Fired Boiler & 5.5 MW Power Plant including Civil Work	Saraswati Sugar Mills	India
130 KLPD Distillery Plant with 40 TPH Slop Fired Boiler & 5 MW Power Plant	Dwarikesh Sugar Industries Ltd., Bundki	India
120 KLPD Distillery Plant with 30 TPH Slop Fired Boiler	Shri Sai Priya Sugars Ltd.	India
120 KLPD Molasses Based Distillery Plant with Incineration Boiler & 2.5 MW Power Plant	Bindal Paper Mills Ltd., Bijnor	India
60 KLPD Distillery Plant with 22 TPH Slop Fired Boiler	Dalmia Bharat Sugar Factory	India
40 KLPD Distillery Plant with Slop Fired Boiler & Power Plant including Civil Work	The Kisan Sahkari Chini Mills Ltd., Najibabad	India
30 KLPD Distillery Plant with Slop Fired Boiler & Power Plant including Civil Work	The Kisan Sahkari Chini Mills Ltd., Sathiaon	India
Pilot Grain Processing Unit for Distillery	National Sugar Institute, Kanpur	India

40 KLPD Distillery Plant with Slop Fired Boiler & Power Plant including Civil Work at The Kisan Sahkari Chini Mills Ltd., Sneh Road, Najibabad (U.P.), India



OTHER PRODUCTS

Sugar Plants & Machinery • EPC Projects • Bagasse & Biomass Fired Boilers • Slop / Vinasse Fired Boilers • Pulverised Coal Fired Boilers
Circulating Fluidised Bed Combustion Boilers • Atmospheric Fluidised Bed Combustion Boilers • Oil & Gas Fired Boilers
Waste to Energy Boilers • Waste Heat Recovery Boilers • Air Pollution Control Equipment • Deaerators • Spares



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