

**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<sup>+</sup>%**

**Distillation  
Efficiency**

**99.5%**

**Dehydration  
Efficiency**

**99.5%**

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**TURNKEY  
SOLUTIONS**

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*Spent Wash Evaporator System for 175 KLPD Ethanol Plant  
at Dwarikesh Sugar Ltd., (U.P.), 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., (Haryana), India*





## Steam Consumption

C-Molasses : **3.0 Kg/L** of Total Spirit  
B-Heavy : **2.5 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



120 KLPD Ethanol Plant with 25 TPH Incineration Boiler  
& 2.5 MW Cogen Plant Multi-Feed Syrup / B Heavy / Grain  
at Bindal Papers Ltd., (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
210 KLPD ENA Plant with 32 TPH Slop Fired Boiler	West Kenya Sugar Company	Kenya
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 Sakhari Chini Mills Ltd., Najibabad	India
30 KLPD Distillery Plant with Slop Fired Boiler & Power Plant including Civil Work	The Kisan Sakhari Chini Mills Ltd., Sathiaon	India

## OTHER PRODUCTS

Sugar Plants & Machinery • Compressed Bio-gas (CBG) • 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 • Emission Control Solutions • Deaerators • Spares



**ISGEC HEAVY ENGINEERING LTD.**

A-4, Sector 24, Noida - 201 301 (U.P.) India

Tel.: +91-120-408 50 01 / 02

E-mail: [exports@isgec.co.in](mailto:exports@isgec.co.in), [xydsales@isgec.co.in](mailto:xydsales@isgec.co.in)

[www.isgec.com](http://www.isgec.com)