



Sugar Plants & Distilleries

220

Sugar / Distillery / Refinery
Projects

830

Sugar Mills

Across **51** Countries

6000 TCD Refined Sugar Plant
with 22 MW Power Plant at PT PNS, Indonesia
(Cane Unloading System from Barge)



4 x 6500 m² FFE at Jawahar SSSK Ltd., India



Cane Crushing Mill



Centralised Control Room for a Sugar Plant



ENGINEERING FOR EXCELLENCE

Reduced Mill Extraction

Up to
98.00%

Uptime

excluding scheduled shutdown

97.50%

**Reduced Boiling House
Recovery**

Up to
92⁺%

TURNKEY SOLUTIONS

*5000 TCD Sugar Plant-A/B/C Boiling Vertical Continuous Pan(VCP)
at Twentyone Sugars Ltd., (Unit-1) Maharashtra, India*



*Chainless Cane Diffuser with Low Pressure Heating Module (LPHM)
at HPCL Biofuels, Bihar, India*



24000 TCD Process House at White Nile Sugar Company, Sudan



*2500 TPD Standalone Port-based Sugar Refinery
including 100 TPH Boiler and 12 MW Power Plant
at Durrah Advanced Development Company, Yanbu Port, Saudi Arabia*



Steam Consumption of Process House

Up to **25%** on Cane

Process Designing

for Raw Sugar (VHP & VVHP)
Refined Sugar (EU Grade I, II & III, Pharma Sugar)
Plantation White Sugar

(Table White, Liquid Sugar Plantation White without Refining - ICUMSA 60)

Distillery Process Design

for RS, ENA, Ethanol
with
Zero Liquid Discharge (ZLD)

OPERATION, MAINTENANCE & RETROFITTING

7500 TCD expandable to 10000 TCD Integrated Sugar Complex with 120 KLPD Ethanol Plant at Bindal Papers Ltd., (U.P.), India (Under execution)

220 TPH, 109 Kg/sq.cm. (g), 540 ± 5 Deg C Bagasse Fired Travelling Grate Boiler at Ingenio Magdalene, Guatemala



10000 TCD Refined Sugar Plant with 210 TPH / 125 Bar, Bagasse Fired Boiler and 40.5 MW Power Plant, having all FFE & VCP designed on 30% Steam with Refinery at KPR Sugars, Karnataka, India



Major Customers

Sugar Projects

24000 TCD Process House & 104 MW Cogen. Plant	White Nile Sugar Co.	Sudan
15000 TCD Complete Milling Tandem	San Diego S.A.	Guatemala
6000 / 12000 TCD Sugar Plant with Refinery & 22 MW Cogen. Plant	PT. PNS	Indonesia
6000 TCD Sugar Plant Expansion	Savannah Sugar Factory (Dangote)	Nigeria
5400 TCD Complete Process House	Agrolmos S.A.	Peru
5000 TCD Sugar Plant & 32 MW Cogen. Plant	Adex Bioenergy (S.L.) Ltd.	Sierra Leone
3000 / 4500 TCD Sugar Plant	Golden Sugar Co. Ltd., (Star Trading Company)	Nigeria
2000 TCD Raw Syrup & 130 KLPD Distillery Plant including Civil Work	Cavite Biofuel Producers Inc.	Philippines
1250 TCD Sugar Plant including Civil Work	Government of the Republic of Malawi	Malawi
13500 TCD Process House Expansion with Refinery (Repeat Order)	DCM Shriram Ltd., Ajbapur	India
10000 TCD Sugar Plant & 30 MW Cogen. Plant	KPR Sugar Mill Ltd., Unit-I, Karnataka	India
10000 TCD Refined Sugar Plant with 40 MW Cogen. Plant (Repeat Order)	KPR Sugar Mill Ltd., Unit-II, Karnataka	India
10000 TCD Milling Tandem with 50" x 100" Mill	Shri Sai Priya Sugars Ltd.	India
8500 TCD Juice Extraction Plant	Balrampur Chini Mills Ltd., Bhabhnan	India
7500 TCD Raw Syrup Plant	Shiv Shakti Sugars Ltd., Belgaum	India
7500 TCD Sugar Plant & 15 MW Cogen. Plant	Bindal Paper Mills Ltd., Bijnor	India
6000 TCD Milling Plant with 3000 TCD Raw Syrup & 120 TPH Boiler with 22 MW Cogen.	JGN Sugar & Biofuels (P) Ltd., Uttarakhand	India
6000 TCD Mill & Process House	Belgaum Sugar Ltd.	India
5000 TCD Refined Sugar Plant & 27 MW Cogen. Plant including Civil Work (Repeat Order)	U.P. State Sugar Corporation, Pipraich & Munderwa (Unit-1)	India
5000 TCD Sugar Plant & 40 MW Cogen. Plant	Twenty One Sugar Factory, Latur	India
5000 TCD Process House Plant with 700 TPD Back-end Refinery	DCM Shriram Ltd., Hariawan	India
3500 / 5000 TCD Diffuser Plant & 20 MW Cogen. Plant including Civil Work	HPCL Biofuels Ltd., Sugauli & Lauriya	India
3500 TCD Sugar Plant with Refinery and 18 MW Cogen. Plant including Civil Work	Karnal Co-operative Sugar Mills	India

Refineries

2500 TPD Standalone Sugar Refinery	Durrah Advanced Development Company	Saudi Arabia
1700 TPD Back-end Sugar Refinery (Repeat Order)	DCM Shriram Ltd., Azbapur	India
1300 TPD Back-end Refinery	KPR Sugar Unit-II, Karnataka	India
1200 TPD Back-end Sugar Refinery	Saraswati Sugar Mills Ltd., Yamunanagar	India
950 TPD Back-end Sugar Refinery	Dalmia Sugar Ltd., Nigohi	India
600 / 1000 TPD Standalone Sugar Refinery Plant including Civil Work	PT Sumber Mutiara Indah Perdana	Indonesia
600 TPD Back-end Refinery	PT. PNS & PT. MSM	Indonesia
550 TPD Sugar Refinery	CSC Sugar	USA
500 / 1000 TPD Sugar Refinery	Tala Sugar	Mexico
350 / 500 TPD Sugar Refinery (Repeat Order)	Can Tho Sugar Joint Stock Co. (CASUCO)	Vietnam
350/ 500 TPD Back-end Sugar Refinery (Repeat Order)	Kibos Sugar and Allied Industries Ltd.	Kenya
600 TPD Back-end Sugar Refinery (Repeat Order)	U.P. State Corporation, Pipraich & Munderwa	India
700 TPD Back-end Sugar Refinery	DCM Shriram Ltd., Hariawan	India
500 TPD Back-end Refinery	Gobind Sugar Mills	India
150 TPD Back-end Refinery	Panchganga Sugar and Power Pvt. Ltd., Maharashtra	India

Distilleries

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

OTHER PRODUCTS

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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