



# Sugar Plants & Distilleries

**210**

Sugar / Distillery / Refinery  
Projects

**810**

Sugar Mills

Across **49** Countries

*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, Gulbarga (Karnataka)*



*FFE at UPSSCL, Pipraich*



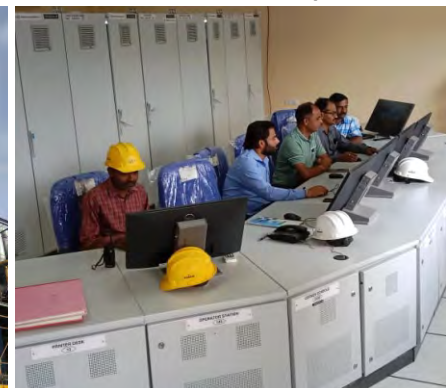
*Cane Crushing Mill*



*Vertical C. Pan*



*Centralised Control Room for a Co-generation Plant*



**ENGINEERING FOR EXCELLENCE**

**Reduced Mill Extraction**

Up to  
**98.00%**

**Uptime**

excluding scheduled shutdown

**97.50%**

**Reduced Boiling House  
Recovery**

Up to  
**92.17%**

## TURNKEY SOLUTIONS

*5000 TCD Sugar Plant with 40 MW Co-generation  
at Twentyone Sugars Ltd., Maharashtra, India*



*Chainless Cane Diffuser with Low Pressure Heating Module (LPHM)  
at HPCL Biofuels, Sugauli (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)  
Plantation White Sugar  
(Table White, Plantation White without Refining - ICUMSA 60)

## Distillery Process Design

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

# OPERATION, MAINTENANCE & RETROFITTING

600 TPD expandable to 1000 TPD  
standalone Sugar Refinery at PT SMIP, Indonesia



150 TPH Bagasse Fired Boiler  
at Twentyone Sugars Ltd., Latur (Maharashtra), India



5000 TCD Sugar Plant with 27 MW Co-generation on EPC basis  
at U.P. State Sugar Corporation Ltd., Mundarwa (U.P.), India  
(executed in record 12 months period)



# Major Customers

## Sugar Projects

24000 TCD Process House & 104 MW Cogen. Plant	White Nile Sugar Co.	Sudan
13200 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	Agro Aurora 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	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	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 Skati Sugars Ltd., Belgaum	India
7500 TCD Sugar Plant & 15 MW Cogen. Plant	Bindal Paper Mills Ltd., Bijnor	India
6000 TCD Mill & Process House	Belgaum Sugar Ltd.	India
6000 TCD Sugar Plant & 23 MW Cogen. Plant	S.S.S. Ghorpade Sugar Factory Ltd.	India
5000 TCD Refined Sugar Plant & 27 MW Cogen. Plant including Civil Work	U.P. State Sugar Corporation, Pipraich	India
5000 TCD Refined Sugar Plant & 27 MW Cogen. Plant including Civil Work	U.P. State Sugar Corporation, Munderwa	India
5000 TCD Sugar Plant & 40 MW Cogen. Plant	Twenty One Sugar Factory	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 / 5000 TCD Sugar Plant & 15 MW Cogen. Plant including Civil Work	The Kisan Sahkari Chini Mills Ltd., Azamgarh	India
3500 / 5000 TCD Sugar Plant with 16 MW Cogen. Plant	Green Power Sugar Ltd.	India
3500 TCD Sugar Plant with 14 MW Cogen. Plant including Civil Work	Shree Bhimashankar S.S.K.	India
3500 / 5000 TCD Mill & Process House	Belgaum Sugars Ltd.	India
3500 TCD Sugar Plant with 12 MW Cogen. Plant	Khatav Man Sugar Ltd.	India
3500 TCD Sugar Plant with Refinery and 18 MW Cogen. Plant including Civil Work	Karnal Co-operative Sugar Mills	India
3500 TCD Sugar Plant with 12 MW Cogen. Plant	Shipati Sugar & Power Ltd., Sangli, Maharashtra	India

## Refineries

2500 TPD Standalone Sugar Refinery	Durrah Advanced Development Company	Saudi Arabia
600 / 1000 TPD Standalone Sugar Refinery Plant including Civil Work	PT Sumber Mutiara Indah Perdana	Indonesia
600 TPD Back-end Refinery	PT. PNS	Indonesia
550 TPD Sugar Refinery	CSC Sugar	USA
500 / 1000 TPD Sugar Refinery	Tala Sugar	Mexico
350 / 500 TPD Sugar Refinery	Can Tho Sugar Joint Stock Co. (CASUCO)	Vietnam
350/ 500 TPD Back-end Sugar Refinery	Kibos Sugar and Allied Industries Ltd.	Kenya
1700 TPD Back-end Sugar Refinery	DCM Shriram Ltd., Azbapur	India
950 TPD Back-end Sugar Refinery	Dalmia Sugar Ltd., Nigohi	India
600 TPD Back-end Sugar Refinery	Pipraich	India
600 TPD Back-end Sugar Refinery	Mundarwa	India
700 TPD Back-end Sugar Refinery	DCM Shriram Ltd., Hariawan	India
500 TPD Back-end Refinery	Gobind Sugar Mills	India

## Distilleries

225 KLPD Distillery Plant with 80 TPH Slop Fired Boiler	DCM Shriram Ltd., Ajbapur	India
175 KLPD Distillery Plant with 44 TPH Slop Fired Boiler	Dwarikesh Sugar Industries Ltd., Bareilly	India
160 KLPD Distillery Plant with 55 TPH Slop Fired Boiler	DCM Shriram Ltd., Hariawan	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 & Power Plant	Bindal Paper Mills Ltd., Bijnor	India
109 KLPD Distillery Plant with 40 TPH Slop Fired Boiler & Power Plant including Civil Work	Saraswati Sugar Mills	India
100 KLPD Distillery Plant with 40 TPH Slop Fired Boiler & Power Plant	Dwarikesh Sugar Industries Ltd., Bundki	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
Spent Wash Evaporator	Athani Sugar Ltd., Bambawade	India
Pilot Grain Processing Unit for Distillery	National Sugar Institute	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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