



Sugar Plants & Distilleries

235

Sugar / Distillery / Refinery
Projects

840

Sugar Mills

Across **51** Countries

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



5 x 4500 m² FFE at Triveni Engg. Industries 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

13500 TCD Process House with Refined Sugar Plant
at DCM Shriram Unit, Azbapur, Uttar Pradesh, India



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



7500 TCD expandable to 10000 TCD Integrated Sugar Complex with 120 KLPD Ethanol Plant
at Bindal Papers Ltd., (U.P.), India
Sugar Plant is running at 26% on Cane Steam Consumption



Major Customers

Sugar Projects

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| 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 | DCM Shriram Ltd., Loni Unit | India |
| 9500 TCD Process House Expansion at 29% Steam | Belgaum Sugar 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 |
| 7200 TCD to 13000 TCD Expansion / Modernization of Sugar Plant on Turnkey basis | Y M Krishna SSK Ltd., Maharashtra | 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 |
| 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 (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 |
| 3500 TCD Sugar Plant | Angadi Sugar Power Ltd. | India |

Refineries

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| 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 & 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 |
| 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 TPD Back-end Sugar Refinery (Repeat Order) | U.P. State Corporation, Pipraich & Mundarwa | India |
| 700 TPD Back-end Sugar Refinery | DCM Shriram Ltd., Hariawan | India |
| 500 TPD Back-end Refinery | Gobind Sugar Mills | India |

Distilleries

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| 210 KLPD ENA Plant with 32 TPH Slop Fired Boiler | West Kenya Sugar Company | Kenya |
| 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 |

OTHER PRODUCTS

EPC Projects • Compressed Bio-gas (CBG) • 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@isgce.com, xydsales@isgce.com

www.isgce.com