



VIJSUN INDUSTRIES

EPC PROJECTS SUPPLIERS

SUGAR
POWER
ETHANOL



INTRODUCTION

Team VIJSUN since past 32 years are engaged in the Project Engineering Business activities delivering services to various Sectors Like Sugar, Power, Distilleries & Ethanol, Grain Based Projects, Material Handling & Contract Manufacturing. VIJSUN offers Turnkey Solution for various Process Industries and Agro-based projects.

With In-House Design & Engineering Solutions we have rendered services to more than 120 + Clients in various listed fields and Even Supplied & commissioned Projects for Reputed OEM's in the field of Sugar, Power & Material Handling Equipments.

VIJSUN with Very Experienced Technical Team and Competent Management is capable to execute projects on EPC Basis. The Services often enhances the Profitability & Productivity of the factory with desired and enhanced Efficiency.

With the very small beginning as a Machinery & Equipments Suppliers for various industrial sectors, VIJSUN in 3 decades has grown with a Reputed Name as an EPC Project Suppliers & Technology Providers for Various Sectors. Having Vast Experience in various Industrial Sectors VIJSUN offer various Services mentioned Below.

OUR VISION

To Maintain & Grow the Brand value as an EPMS (Engineering Procurement, Manufacturing and Services) company at the international level for the Process Industries Like Sugar and Distilleries, Starch & Glucose, etc and Other Engineering activities.

OUR MISSION

Design, Develop and Implement and most modern working practices Methods and Tools by continuous up-gradation of knowledge and technology to satisfy our customer by providing quality product within time.

CORPORATE HEALTH, SAFETY & ENVIRONMENT PROTECTION POLICY

VIJSUN recognizes its legal, humanitarian & socio-economic responsibilities towards:-
Health, safety & security of the customer, sub-contractors / Suppliers, Organization, men, material and operations.





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SERVICES WE OFFER

- Design And Engineering & Project Management Services.
- EPC Project Supplies (Turnkey Solutions).
- Equipment Manufacturing & Supplies.
- Modernisation & Plant Up-gradation.
- Operation & Maintenance Contract.



BUSINESS SECTORS

We Deliver Services for Below Listed Sectors:-

- Sugar Projects from 500 TCD Upto 10,000 TCD.
- Co-Generation Power Plants upto 50 MWe.
- Ethanol Plants & Distilleries Upto 200 KLPD capacity.
- Grain Based Projects (Starch, Flour Mills).
- Material Handling Equipments.
- Contract Manufacturing.



VIJSUN offers Single Window solution for Complete Sugar Project right from Concept to Commissioning and Further O&M. With wide range of Equipments with Latest Technology and Energy Conservation Equipments, VIJSUN assures the Project with Guaranteed Performance with Higher Efficiency.

Customised solutions as per the requirement & Need of the client is possible due to the In-house Design & Engineering team.

HIGHLIGHTS

- Capacity Range from 500 TCD upto 10,000 TCD.
- Latest Technology with Higher Efficiency.
- Low Steam Consumption Below 32 % on Cane can be achieved with energy Saving Equipments.
- Low Power consumption.
- Fully Automozed DCS Operations.
- Customisation as per Client's Requirement.

We Provide End to End Solutions

We Provide Single Window Solutions for Sugar Plant for below Listed Sections.

A. Complete Cane Milling Section

- i. Cane Preparation Equipments
- ii. Cane Milling Section (Juice Extraction) Section.

B. Complete Process House Section.

- i. Clarification
- ii. Evaporation & Juice Heating
- iii. Pan & Crystallisation Section
- iv. Centrifugal Machines
- v. Sugar House Section & Packaging.

C. Standalone & Back End Sugar Refinery for Sulphurless Sugar Below IU 45.

- i. Ion Exchange Process
- ii. Carbonation Process.
- iii. Refinery Section Pans & Related Equipments.



3500 TCD Sugar Plant On Turnkey Basis



4500 TCD Sugar Plant With 14 MW Co-Gen Power Plant on Turnkey Basis

Various Cane Milling Section Equipments we supply

We Provide Single Window Solutions for Sugar Cane Milling Plant

A. Cane Handling & Preparatory Devices with accessories.

- i. Cane Unloaders
- ii. Cane Carrier
- iii. Cane Chopper / Leveller with Drives
- iv. Fibrizor / Shredders
- v. IRC Carriers.

B. Cane Milling Section with Accessories & AC VFD Drives.

- i. Cane Mills complete (2 roller Type / 3 roller Type)
- ii. Diffuser System
- iii. TRPF / GRPF Systems for Cane Mills.
- iv. Wire Rope Couplings.

3. Automation & Instrumentation for Cane Milling Section.

- i. Auto Cane Feeding System
- ii. PLC / DCS Based Automation & Instrumentation.



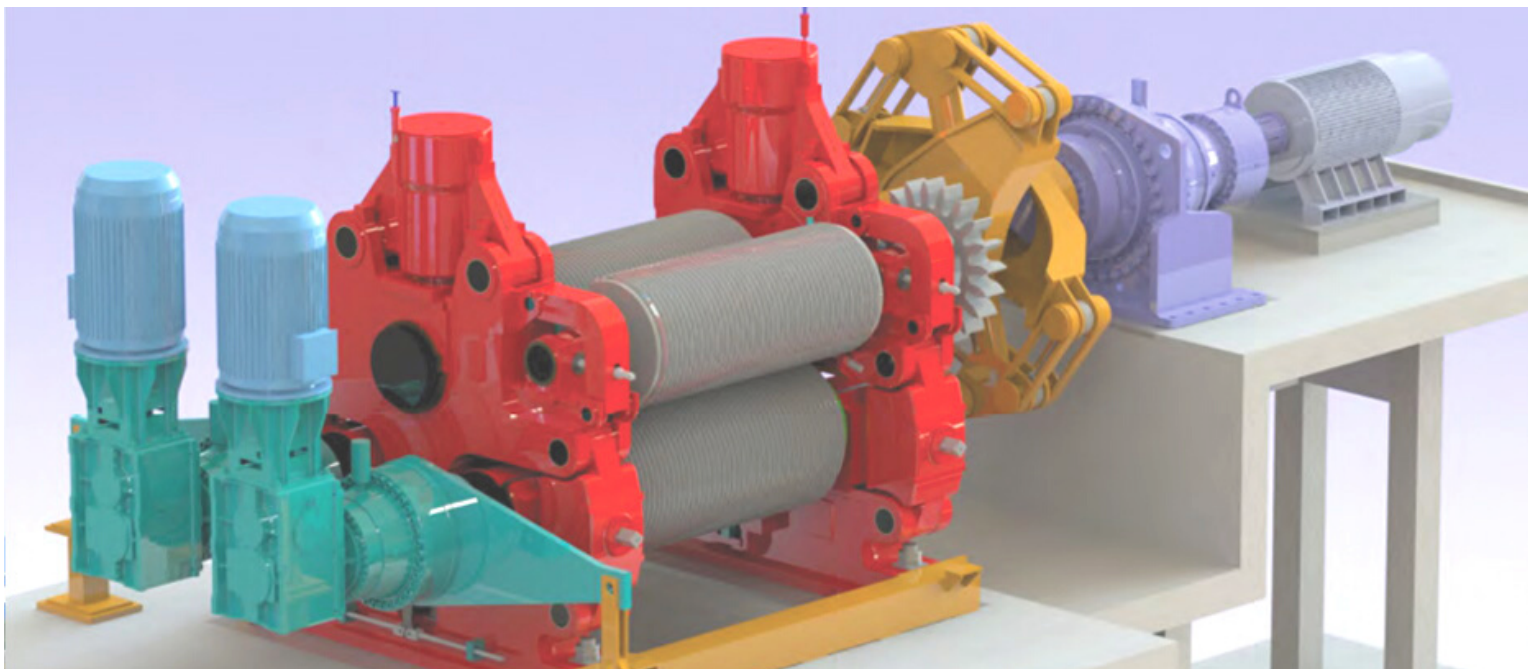
Cane Unloader & Feeding

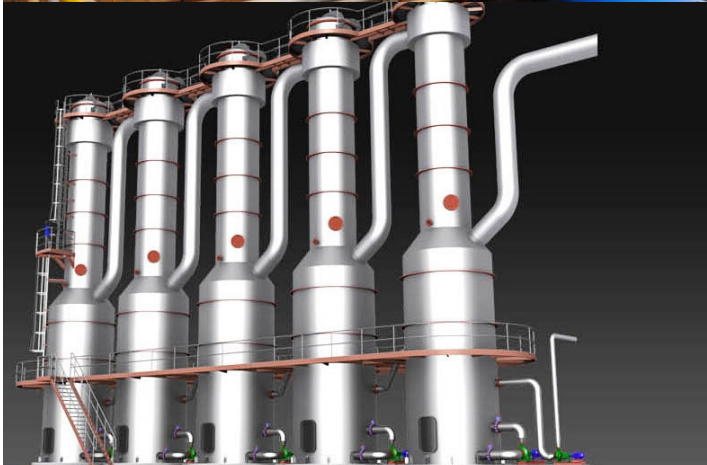


Cane Preparatory Devices

CANE CRUSHING MILLS

1. Highly Efficient Cane Mills
2. Enhanced Performance with More RME.
3. TRPF / GRPF Systems For Cane Mills.
4. Maximum Crushing with Better Extraction
5. Low Maintenance.
6. Mill Technology Upto Maximum Size 50"X100"





PROCESS HOUSE EQUIPMENTS

Various Process House Equipments as per various capacities Such As:

- Juice Heaters / Direct Contact Heaters / PHE. etc.
- Evaporators -
 - a. Rising Film
 - b. Robert Type
 - c. Falling Film Type.
- Vacuum Pans
 - a. Batch Type
 - b. Continuous Type
- Crystallisers
 - a. Seed & Vacuum.
 - b. Air-cooled / Water cooled.
 - c. Vertical Crystallisers.
- Sugar House Equipments
 - a. Centrifugal Machines
 - b. Sugar Hopper /Grader / Elevator.
 - c. Silos / Packaging Machines.



TURNKEY CO-GEN POWER PLANTS

VIJSUN offers Various Kinds of Co-Generation Power Plants with Automation. With efficient Engineering and Heat & Mass balance offer maximum power generation with less fuel consumption. VIJSUN Offers wide range of solutions for variety of fuel to be consumed in power plant to generate power. whether it may be solid fuels (i.e Coal, Lignite, Bio-mass and bagasse,etc) or Waste heat recovery boilers and oil/gas fired boilers. The Multi-fuel technology for boiler with enhanced efficiency, reliability and Eco-friendly solutions are trend setter in the Industry.



HIGHLIGHTS

- Single Drum / Bi-Drum Boiler Options.
- Power Plant Range upto 50 MWe.
- Boilers Upto 200 TPH Capacity.
- Steam Pressure parameters upto 125 ata.
- Latest Technology with Higher Efficiency.
- Low Fuel Consumption for boiler.
- Fully Automozed DCS Operations.
- Technology for Bio-mass Based / Thermal / Waste Heat Recovery Power Plants.

POWER PLANT EQUIPMENTS

We Offer Various Equipments for Power Projects:

a. BOILERS

- i. Travelling / Pulsating Grate Type.
- ii. AFBC Boilers.
- iii. CFB Boilers.
- iv. Waste Heat Recovery Boiler.

b. Pollution Control Equipment:-

- i. Wet Scrubbers
- ii. Electro-static Precipitator

c. Fuel Handling / Coal Handling & Ash Handling Systems.

d. Balance of Plant Equipments like HP Heater, Air-cooled / Water cooled condensors, Cooling Towers, Feed Water Treatment Plant, etc.

e. Complete Plant Electrification & Switch-yard.

f. TURBINE & ALTERNATOR- Sourced from Reputed Manufacturer as per requirement.



HIGHLIGHTS

- Plant Technology Upto 200 KLPD.
- Latest Innovative Technology for Multi-Feed Stock Processing.
- Continuous Fermentation for cane Juice, cane Molasses Or Grain as a Raw Material with higher fermentation efficiency.
- Multi-Pressure Distillation with Low Energy Consumption.
- Minimal Spent Wash generation.
- Multi-Effect Evaporation for Spent wash.
- Online Cleaning In Process ensures continuous operations of the Evaporation Plant.
- Achieving practical Zero Liquid Discharge from the plant.

VIJSUN offers Customised Turnkey solutions for Ethanol Plants & Distilleries for respective clients. Our Innovative Technology, Dedication and commitment helps to enhance the yield & profitability of the Project.

SOLUTIONS FOR FOLLOWING SECTION:-

1. Multi-feed Distillery for RS / ENA / Ethanol.
2. Brewery Plant.
3. Multi- Effect Evaporation Plant.
4. Dryers and DDGS Plants.
5. Bio-Gas Plants

EQUIPMENTS WE SUPPLY

We Offer Various Equipments As Below:-

- a. Fermenters
 - i. Batch Type
 - ii. Continuous Type.
- b. Multi-Pressure Distillation Columns.
- c. Bio-Methanation & Evaporation Plant:-
Integrated / Seperate Types.
- d. Dryers and Other Related Equipments.



Multi-Effect Evaporation System

OTHER ENGINEERING ACTIVITIES

Team VIJSUN Undergoes Several verticals into Engineering Sectors apart from Turnkey Projects such as listed Below:-

- Material Handling is as Coal Handling & Fuel Handling Systems.
- Heavy Structural Fabrication.
- Heavy Ducting & Casing Fabrication for Big size Power Plants.
- Bag Conveying Systems, Conveyors & Stackers.
- EOT Type Crane Manufacturing for Various capacities.
- Mild Steel Storage Tanks.



VARIOUS OTHER EQUIPMETS LIKE:

- Heat Exchangers.
- Reactors for Chemical plants.
- ETP / STP Plants.
- WTP Plants.
- Stainless Steel Tanks and Silos.
- contract manufacturing fwith Design & Engineering services.



FACILITY & INFRASTRUCTURE

VIJSUN Has Well Equipped Manufacturing facilities for Heavy Machinery Fabrication Activity and Machining activity for Manufacturing of Various Equipments.

Well Established Sub-Vendors associates for out-sourcing non-core equipments and effective Supervision Team enhances the capabilities to focus on core business and helps us execute several projects together.

Below are the Information on Factory Set-ups under our Organisation. Apart from them have developed various sub-contractors for manufacturing purpose and out-sourcing.

KOPARGAON	INDAPUR MIDC (Under Associate Partner)
Address:- 307/8, Kokamthan, Tal-Kopargaon, Dist- Ahmednagar.	Address:- Indapur MIDC, Indapur, Dist- Pune.
Covered Area : 8000 Sq.mtr Open Area : 15000 Sq.mtr.	Covered Area : 10,000 Sq.mtr Open Area : 30,000 Sq.Mtr
Capacity – 300 MT per Month	Capacity – 800 MT Per Month.

List of Some Machineries

Latest Machinery As under:-

- Heavy Duty Lathes.
- Heavy Duty Radial Drilling Machines.
- Plasma Cutting Machine for plates cutting.
- Heavy Duty Plate Rolling Machines.
- Automatic Tube bending Machines.
- Power Presses.
- Heavy Duty EOT Cranes capacity.
- Vertical Milling Centre.
- Horizontal Boring Machine.
- Submerged Arc Welding & Automatic Welding Machines.
- Shapping Machines.
- Portable Drilling Machines
- Erection Tools tackles,etc.
- Mobile Crane (Hydra).

OUR ESTEEMED CLIENTS

A. DIRECT SUGAR CLIENTS:- (Turnkey Supply)

- KGS Sugar and Infra Corp Ltd, Niphad, Nashik- (4500 TCD with 14 MW Co-Gen)
- Indreshwar Sugar Mills Ltd, Barshi (3500 TCD with 12 MW Co-Gen)
- Maungiri Sugar & Biofuels ltd, Pachora, Jalgaon. (1250 TCD)
- Purti sakhar kharkhana, Nagpur. (2500 TCD)
- Saibaba Sugar Ltd, Latur (2500 TCD)
- Hivramai Sugar Industries Ltd, Jalgaon. (1250 TCD)

B. EQUIPMENT SUPPLIES

- Mula S.S.K Ltd, Newasa
- Padmashri Vikhe Patil S.S.K Ltd, Pravaranagar
- Ashok S.S.K Ltd, Shrirampur.
- Sanjivani SSk Ltd, Kopargaon
- Mauni Agro chemical industries Pvt Ltd, Sinnar.
- And many more Sugar Factories..

C. FOR OEM CLIENTS:- (Turnkey Supplies)

- ThyssenKrupp Industries Pvt Ltd :- 17 Projects.
- Walchandnagar Industries Ltd :- 13 Projects.
- Texmaco. :- 2 Projects.
- Triveni Engineering Ltd. :- 2 Projects
- ATV Projects Ltd. :- 3 Projects
- National Heavy Engineering Co-Operative Ltd, Pune.

D. OTHER AGRO-BASED PROJECTS

- Yashwant sahakari Glucose Ltd, Sangli (150 TPD)
- Raviraj Glucose Pvt Ltd, Pune. (200 TPD)
- Sangam Glucose Pvt Ltd, Sangli. (100 TPD)
- Mauni Agro chemical industries Pvt Ltd, Sinnar.
- Sainath Agro-vet Industries Pvt ltd.
- Many more....

We Design, Manufacture, Supply, Erect & Commission

**Complete Sugar Projects from 500 TCD Upto 10,000 TCD with a
Co-generation Power Plants Upto 50 MWe.**

Complete Distillery Plant With Ethanol upto 200 KLPD.

Grain Based Projects like Starch, Liquid Glucose upto 500 TPD.

Material Handling System & Contract Manufacturing.

Chemical Plants Vessels, Heat Exchangers, Reactors, Flash Dryers, etc.



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EPC PROJECTS SUPPLIERS

Head Office	:-	203, Legacy Apartments, D.P.Road Aundh, Pune. Pin No- 411007. Ph- (020)- 25881678.
Factory	:-	At-370/7, Ahmednagar-Manmad Road, Kokamthan, Taluka-Kopargaon, Dist- Ahmednagar, Pin- 423601.
Contact Person	:-	Mr. Sunil Chavan- (+91- 9561376999.)
Website	:-	www.vijsunengineers.net
Email	:-	response@vijsunengineers.net / vijsunengg@yahoo.com