



**EMPOWERING NATION**



**BHARAT ENGINEERING AND  
CONSTRUCTION**

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**[WWW.BENCL.IN](http://WWW.BENCL.IN)**



# BHARAT ENGINEERING AND CONSTRUCTION

SUBSIDIARY OF  
MALLAHAN INDUSTRIES PVT. LTD.

BE&C is an EPCM Organization and  
TECHNOLOGY Supplier for various chemicals,  
Pharmaceutical, Paints, Pigments, Aromatics,  
fertilizer, FMCG

If you prefer to study our proposal, then review  
our featured chemical plant profile  
Contact us for detailed offer



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## Our Mission

We at BE&C create environment where our nation, clients and employees has ample opportunity to grow limitless. With the team of dedicated

We promote innovation and commitment for everlasting growth and success.

With the team of dedicated and experienced workforce we help our clients to complete the projects on time



Flexible in approach

## Our Values

Ownership

Responsible

Team Work

Respect

Honest Communication

BE&C



## Quality

We are committed to our service of finest quality. We are backed by highly skilled and experienced professional with exposure to international standards of engineering and a commitment to exceptional client service



## Customer Commitment

We believe in collaborative effort and ownership of each project. We strive to the best of our ability to complete the project in the stipulated frame.



## Integrity

We keep our commitment and word with respect, act with moral wisdom. We value and respect clients reputation



## Our Vision

Empowering Nation

Empowering nation with Latest Technology for various areas of Chemical, Mechanical, electrical and instrumentation



Shaping the future by preserving our heritage, discovering new knowledge, and sharing our resources with the world



## About us

**BE&C** is an EPCM organization based in INDIA. The company provides engineering, procurement, construction and management services to chemical, petrochemical, fertilizer, pesticides, insecticides, Distillery, ethanol, FMCG.

**BE&C** is also a **Technology Supplier** of various chemicals, paints, Varnishes, pigments, pharmaceuticals(Formulations, Bio Pharma, API), Surfactants, Aromatics, Bio Fertilizer, FMCG(OILS, Soaps, Detergents, Agro-foods), carbon black, Battery Recycle.

## Services we offer



# Engineering Division

- Pre Project-Services



We Provide chemical technologies for various products of Inorganics Chemicals, Surfactants, Pesticides, Insecticides, Aromatics, Paints, Pigments, Grain distillery, Oils, Soaps and detergents

We Study process systems for manufacture of a new product or to implement improvements / changes in existing production units.

We Prepares economic studies associated with Research and development, Products Valuation, Process performance, Profit Analysis, growth scope.

We Designs and/or specifies items of equipment required to define the process flowsheet or flow system.

Scale up of Plant from Laboratory & Pilot Plant to Commercial Scale Production

- Process design & Basic Engineering Service

Feasibility Study

Concept Engineering

Front End Engineering Design (FEED)

Proposal Engineering for EPC Bid

- Detail Engineering

Architectural

Layout & Piping

Civil & Structural

Electrical

Instrumentation

Mechanical

Environmental, Health & Safety, Fire Protection

Project Management

- Trouble Shooting, Debottlenecking & Revamping

- HAZOP & Safety Studies

- Detailed Engineering in all discipline

- Procurement, Inspection and Expediting

- Site / construction management and commissioning assistance



# Construction Division

Construction and Commissioning is a mission-critical stage for any engineering project. This demands technical excellence as well as operational expertise. BE&C leverages its experience and acumen to offer comprehensive tactical and practical inputs to make this a success.

We combine core engineering and project management expertise along with strong domain specific knowledge to offer customised solutions that create best in class infrastructure for a wide spectrum of industrial space

- Planning/ Scheduling
- Material Management
- Efficient Deployment of Skilled/Unskilled Services
- Subcontractor Management
- Adherence to QA/QC
- Safety Control
- Testing and Commissioning
- Project Handover

## SERVICE WE OFFER

<b>PIPING FABRICATION</b>	<b>PIPING ERECTION</b>	<b>SITE TANK FABRICATION</b>
<b>SITE TANK ERECTION</b>	<b>STRUCTURE FABRICATION</b>	<b>STRUCTURE ERECTION</b>
<b>PIPE RACK FABRICATION</b>	<b>PIPE RACK ERECTION</b>	<b>SITE CONSTRUCTION</b>
<b>MECHANICAL MAINTENANCE</b>	<b>BREAK-DOWN MAINTENANCE</b>	<b>BROWN FIELD</b>
<b>INSTALLATION</b>	<b>COMMISSIONING</b>	<b>TESTING</b>
<b>REPAIR</b>	<b>REPLACEMENT</b>	<b>RECONSTRUCTION</b>

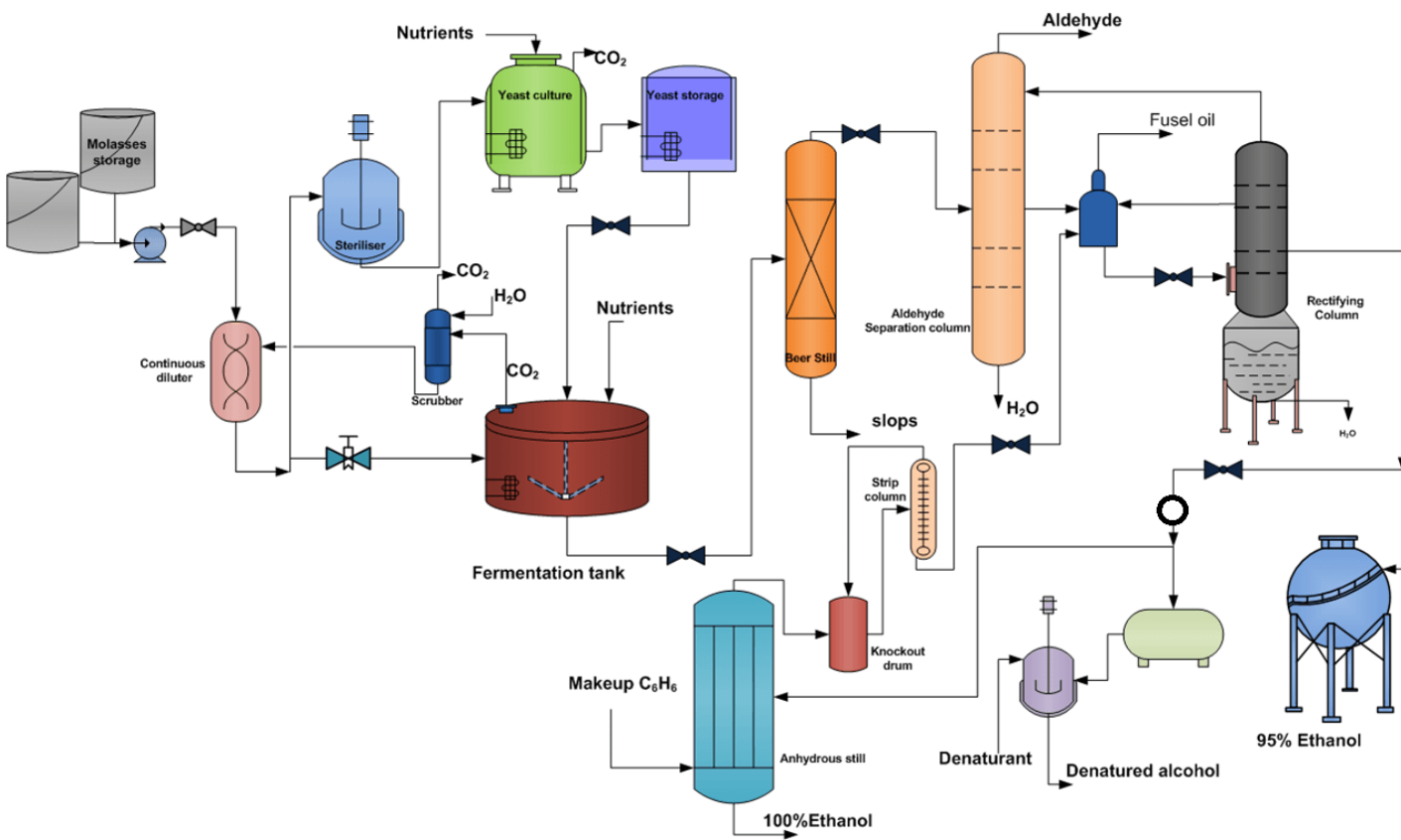
# BASIC ENGINEERING AND DETAIL ENGINEERING AVAILABLE!

- Bharat Engineering and Construction is offering turnkey solutions for Ethanol, Bioethanol, and Alcohol plant with the appropriate technology for maximum yield with the focus on energy saving, reducing waste water and cost effective systems.
- BE&C plays a pivotal role in the development of an ethanol project right from understanding project requirements, conceptualization and scheduling up to project commissioning.
- We design and execute the state of art Ethanol plant, Bioethanol plant, Alcohol Plants which ensure highly efficient processing from [Fermentation](#) to [Distillation](#) and [evaporation](#) with zero liquid discharge.
- [Fuel Ethanol](#) , Bioethanol and Fuel Alcohol processing plants are very popular these days. As it has very attractive advantage and high profit. And last but not the least, Indian Government is promoting these industries to meet the needs of energy requirement.

Our Turnkey solution includes

- **Grain Milling Systems**
- **Liquefaction Plants**
- **Fermentation Plants**
- **Ethanol Plant**
- **Alcohol Plant**
- **Distillation Plant**
- **Dehydration Plant**
- **Evaporation plant**
- **Dryer and DDGS plant**
- We leverage modern simulation software like AspenPlus, Aspen HYSYS, ProPipe and Computational Fluid Dynamics for guaranteed plant performance.
- Our Specially designed distillation columns with modern tray internals brings a better life & efficiency. With high distillation tray efficiencies and higher level heat integration, our distillation plants results in lowest steam usage.
- Trouble-free plant operation with guaranteed performance and extended plant life with low maintenance cost
- Flexible distillation process plants to produce products by using various feed stocks taking care of market demands & variations





## ETHYL ALCOHOL MANUFACTURING BY MOLASSES FERMENTATION





# BUILD YOUR PLANT WITH BE&C

- BE&C provides well proven solutions to build modern Ethanol, Bioethanol, Alcohol Plants. One of our most important design principles is to provide our client with highly automatic aromatic plant. No extra operation staff needed except necessary engineer in the central control room.
- Flexible production
- Premium grade product
- Smart plant
- Superior plant
- Superior equipment
- Environment friendly

BE&C provides complete package of basic engineering, front end engineering design as well as detail engineering for Ethanol, Bioethanol, Alcohol Plant. BE&C integrates its experienced engineers team, strict engineering management system and advance engineering tools to provide modern and efficient engineering solutions to our global customers

If you prefer to have a well designed Ethanol, Bioethanol, Alcohol plant with state of art equipment workmanship then to get a competitive offer from **BE&C may be a nice decision**



## **BHARAT ENGINEERING AND CONSTRUCTION**

*Empowering nation*

BHARAT ENGINEERING AND  
CONSTRUCTION IS A  
SUBSIDIARY OF MALLAHAN  
INDUSTRIES PVT. LTD.  
ESTABLISHED IN 2020.

FOR MORE DETAIL OF  
AVAILABLE TECHNOLOGY AND  
OUR SERVICES FOR  
ENGINEERING AND  
CONSTRUCTION REACH US ON  
BELOW ADDRESS.

HEAD OFFICE ADD:  
BRL HOUSE, VASAI PHATA,  
NH-48, VASAI EAST.

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