



EMPOWERING NATION



**BHARAT ENGINEERING AND
CONSTRUCTION**

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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



TECHNO ECONOMIC FEASIBILITY REPORT

Our research reports broadly cover Indian markets, present analysis, outlook and forecast. The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players. We use reliable sources of information and databases. And information from such sources is processed by us and included in the report.

Our Market Survey cum Detailed Techno Economic Feasibility Report Contains following information:

- ▶ Introduction
 - Project Introduction
 - Project Objective and Strategy
 - Concise History of the Product Properties
 - Codes, Standards and Specification
 - Uses & Applications
- ▶ Market Study and Assessment and economics
 - Current Indian Market Scenario
 - Present Market Demand and Supply
 - Estimated Future Market Demand and Forecast
 - Statistics of Import & Export
 - Names & Addresses of Existing Units (Present Players)
 - Market Opportunity
- ▶ Raw Material
 - List of Raw Materials
 - Properties of Raw Materials
 - Prescribed Quality of Raw Materials
 - List of Suppliers and Manufacturers
- ▶ Personnel (Manpower) Requirements
 - Requirement of Staff & Labour (Skilled and Unskilled) Managerial, Technical, Office Staff and Marketing Personnel
- ▶ Plant and Machinery
 - List of Plant & Machinery
 - Miscellaneous Items
 - Appliances & Equipment's
 - Laboratory Equipment's & Accessories
 - Electrification
 - Electric Load & Water
 - Maintenance Cost
 - Sources of Plant & Machinery (Suppliers and Manufacturers)



- ▶ Manufacturing Process and Formulations
 - Detailed Process of Manufacture with Formulation
 - Packaging Required
 - Process Flow Sheet Diagram
- ▶ Infrastructure and Utilities
 - Project Location
 - Requirement of Land Area
 - Rates of the Land
 - Built Up Area
 - Construction Schedule
 - Plant Layout and Requirement of Utilities
- ▶ Profitability and Net Cash Accruals
 - Revenue/Income/Realisation
 - Expenses/Cost of Products/Services/Items
 - Gross Profit
 - Financial Charges
 - Total Cost of Sales
 - Net Profit After Taxes
 - Net Cash Accruals
- ▶ Assessment of Working Capital requirements
 - Current Assets
 - Gross Working. Capital
 - Current Liabilities
 - Net Working Capital
 - Working Note for Calculation of Work-in-process
- ▶ Projected Balance Sheets
 - ROI (Average of Fixed Assets)
 - RONW (Average of Share Capital)
 - ROI (Average of Total Assets)
- ▶ Break-Even Analysis
 - Variable Cost & Expenses
 - Semi-Var./Semi-Fixed Exp.
 - Profit Volume Ratio (PVR)
 - Fixed Expenses / Cost
 - B.E.P
- ▶ Working Capital Requirement Per Month
 - Raw Material
 - Packing Material
 - Lab & ETP Chemical Cost
 - Consumable Store



- ▶ Overheads Required Per Month and Per Annum
 - Utilities & Overheads (Power, Water and Fuel Expenses etc.)
 - Royalty and Other Charges
 - Selling and Distribution Expenses

- ▶ Miscellaneous report
 - Product wise domestic Sales Realisation
 - Total Raw Material Cost
 - Raw Material Cost per unit
 - Total Lab & ETP Chemical Cost
 - Consumables, Store etc.,
 - Packing Material Cost
 - Packing Material Cost Per Unit
 - Employees Expenses
 - Fuel Expenses
 - Power/Electricity Expenses
 - Royalty & Other Charges
 - Repairs & Maintenance Exp.
 - Other Mfg. Expenses
 - Administration Expenses
 - Selling Expenses
 - Depreciation Charges (Total)
 - Depreciation Charges (P & M)



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

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

BUILD YOUR PLANT WITH BE&C

- BE&C provides well proven solutions to build modern plants. One of our most important design principles is to provide our client with highly automatic 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 fragrance, flavours, camphor products. 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 chemical plant with state of art equipment workmanship then to get a competitive offer from **BE&C may be a nice decision**



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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.

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