

BEAMS

BHAGWATI ENGINEERING & MANAGEMENT SERVICES



Project Management Services

Engineering Solutions from Concept to Commissioning
with a Customized Approach

Profile

BEAMS a start up company, founded by a team of professional Project Managers having diversified portfolio in engineering & technical services, provides superior, customised turnkey services for chemical industry. Our complete support service includes Process Engineering, Mechanical Engineering, Piping Engineering and Structural Engineering. Our team possess rich experience in Projects.

We are providing project management service, engineering manpower supply & providing manpower support services to leading engineering companies for EPC, PMC, and EPCM Projects, operation & maintenance in chemical sector.

We have a large pool of qualified and experienced engineering manpower covering all major discipline in Engineering, Procurement, Construction, Project Management, Commissioning, and Operation & Maintenance. We also provide other project related services such as Inspection, Erection supervision and Commissioning support services for large projects. Our core engineering database of the engineers and designers has had extensive experience both in the design offices and at plant construction sites and has first-hand exposure to working in demanding environments.

Operation and Maintenance manpower supply for efficient & safe operation of utility & process plants.

Our business is structured into verticals:

1

Project Management Services

Technical Services

2

3

Mechanical Construction Services

Third Party Inspections

4

5

Trunkey Projects services

Technical Director

Shri P K Banerjee is the **Technical Director** of **BEAMS**. He is a Mechanical Engineer from Birla Institute of Technology, Calcutta (1984 batch). His areas of responsibility spanning **35 years career** in Technical & Management roles include engineering services & Project Management, Plant/Maintenance Management, Strategy Planning, Utility Management, Safety Management System, Resource Development, Budget Planning, Team Management, Training of Personnel, enhancing system and implementing energy conservation initiative to bring cost efficiency level & energy / power reduction.

He has been associated with many green field & brown field projects in various organizations in India & overseas. He has worked in a wide variety of projects of **Organics / inorganic chemical/ Caustic – Chlorine industries like DCM - Shri Ram Alkalies & Chemicals, KLJ Organics, Search Chem - UPL, Kanoria Chemicals, Rubamin Ltd and others.**

He headed many prestigious projects over the years. Some of his flagship engagements are :

1. **1050, 190 & 100 TPD Caustic Chlorine Plant**
2. **500 & 50 TPD Caustic Concentration Plant**
3. **300 TPD Caustic Flakers Plant**
4. **4000 Nm³ of Hydrogen Bottling**
5. **2 * 4. MVA Arc Furnace of 10000 T/A Black Copper**
6. **50 TPD Cobalt Concentration Plant**
7. **50 TPD Nickel, Copper & Cobalt extraction plant**
8. **Enhancement of Cobalt plant from 28 TPM to 50 TPM**

Head of Mechanical Construction

Mr Sanjay Kumar Chavda is the **Head of Mechanical Construction**. His areas of responsibility spanning **15 years career** in Mechanical Construction.

He has been associated with many green field & brown field projects in various organizations in India. He has worked in a wide variety of projects of **Chemical industries like TATA Chemicals, RSPL, OPAL, Reliance and others.**

Managing Director

Mr Alok Kumar Gupta is the **Managing Director** of **BEAMS**. He is a Chemical Engineer from U.P Technical University Lucknow (2005 batch). His areas of responsibility spanning **14 years career** in Technical & Management roles include engineering services & Project Management, Plant operation, Strategy Planning, Utility Management, Safety Management System, Resource Development, Budget Planning, Team Management, Training of Personnel.

He has been associated with many green field & brown field projects in various organizations in India. He has worked in a wide variety of projects of **Organics / inorganic chemical/ Aromatic Chemical/ Specialty Chemicals industries like P I Industries Limited, Rubamin Ltd, Solaris Chemtech, TATA Chemicals, and others.**

He headed many prestigious projects over the years. Some of his flagship engagements are:

- 1) **Multiple Effect Evaporation Plant for Sodium Sulfate**
- 2) **Distillation unit for aromatic compounds**
- 3) **350 TPD Evaporation plant for Salt**
- 4) **900 TPD Evaporation plant for Salt**
- 5) **45 Meter dia clarifier for salt purification**
- 6) **Static Salt dissolver**
- 7) **Crystallization unit for recovery of Bicarb from mother liquor**
- 8) **Dry Bromine distillation unit**
- 9) **DM Unit for water treatment**
- 10) **Sulfate of Potash manufacturing plant**
- 11) **Improvement of Soda ash Plant (Stack cooler replacement)**
- 12) **Improvement of Bicarb production**
- 13) **Improvement of ETP Plant**
- 14) **Double fortified salt manufacturing unit**
- 15) **KIO₃ manufacturing unit**
- 16) **Medicarb manufacturing unit study & evaluation (Pharma Grade Bicarb)**
- 17) **Study & evaluation of CO₂ recovery from flue gases of power plant as well as Soda ash Plant**
- 18) **Technology transfer from pilot plant to commercial scale**
- 19) **MVWS system for ammonia storage / HSD Storage / Transformer**
- 20) **Acid Chloride manufacturing Plant**
- 21) **Engineering of Thionyl chloride plant**
- 22) **Engineering of PCMX Brown manufacturing Plant.**
- 23) **Pilot Plant study for MX Manufacturing.**
- 24) **Automation of salt packing**

Our Objective

Serving Industries

Our Mission

All solutions under one umbrella

Our Vision

Leading with our customer satisfaction

Our Values

**Safety, customer satisfaction,
Reliability, consistency, delivery**

Safety @ BEAMS

HSE Policy

We at BEAMS firmly believe that HSE (Health Safety & Environment) policy is an integral part of our business. We strictly adhere to all rules and policies & Comply with all central, state and local statutory provisions pertaining to Health, Safety and Environment.

Our Goal is “ZERO HARM”

We at BEAMS believe in providing a safe and healthy working environment to all our employees and workers, minimizing or even eliminating the risk involved in their day to day activities. Health, Safety and Environment is everyone's responsibility

- *We at BEAMS use relevant techniques and methods for awareness on Occupational Health, Safety and Environment by training and risk assessment for periodical assessments of the status of Health, Safety and Environment.*
- *We at BEAMS integrate HSE into all our actions, dedication to incorporate HSE into the daily planning, design and implementation of processes.*

To achieve our Goal of “ZERO HARM” is based on the following principles:

- *Appointment of safety personnel for the project and formation of a Safety Committee on site*
- *Review of specifications to identify appropriate safety standards and special safety conditions*
- *Hazard Identification and Risk Analysis*
- *Safety induction training for every worker, to make him/her aware of safety rules and procedures.*
- *Process*
- *Regular Tool Box meetings*
- *Audio Visual Training*
- *Inspection, testing and certification of tools and equipment*
- *Display of safety signage caution boards and awareness posters*
- *Routine Safety inspection and compliance of observations*
- *Accident Reporting and investigation*
- *Analysis of accidents*
- *Scheduled Safety audit and compliance*

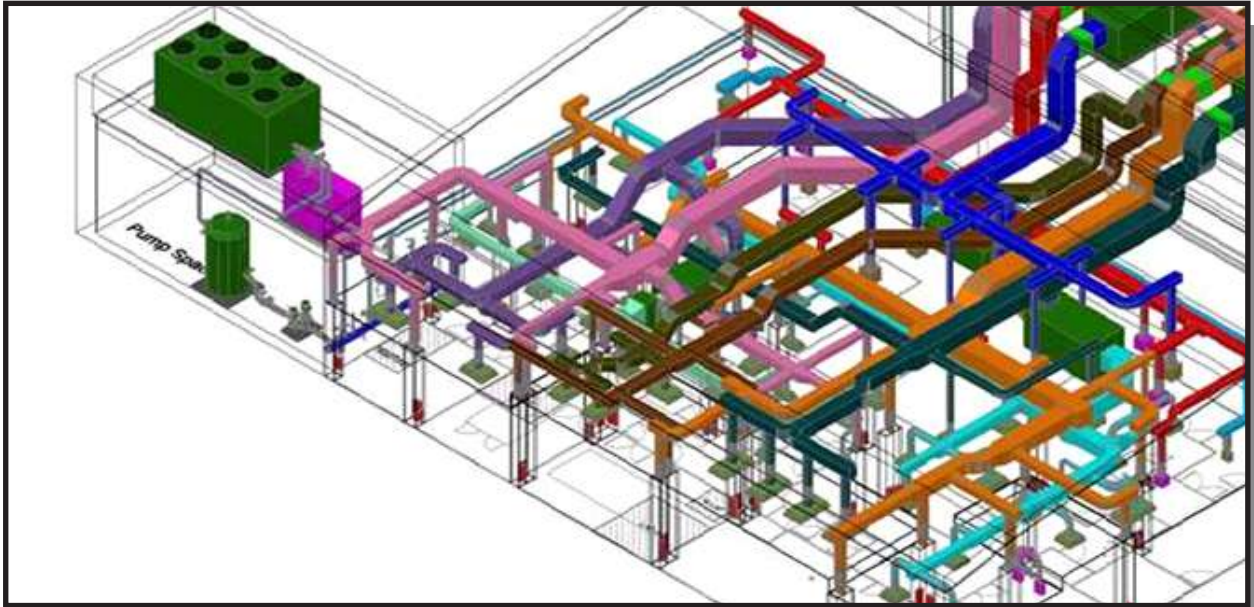
Engineering Services @ BEAMS



At BEAMS we provide services:



Design Services @ BEAMS



1. Plant design (Equipment / P&ID / Routine / GAD).
2. Engineering Drafting (Static, Process, Civil, Structure, MEP, Electrical)
3. Deputation jobs (Technical resource supply)
CAD Job work 2D & 3D modelling /2D & 3D Conversion
4. New product design / Design development
5. Design, detailing & Drafting in Engineering (Reverse Engineering)
6. Detail engineering drawing preparation for Project
7. Statutory requirements drawings (FDA / Factory / Town planning)
8. As Built Piping & P&I diagrams
9. Engineering components, mechanical design, tool design, mould design, precision sheet metal components, special purpose machine tools, casting
10. Deputation jobs

Inspections Services @ BEAMS

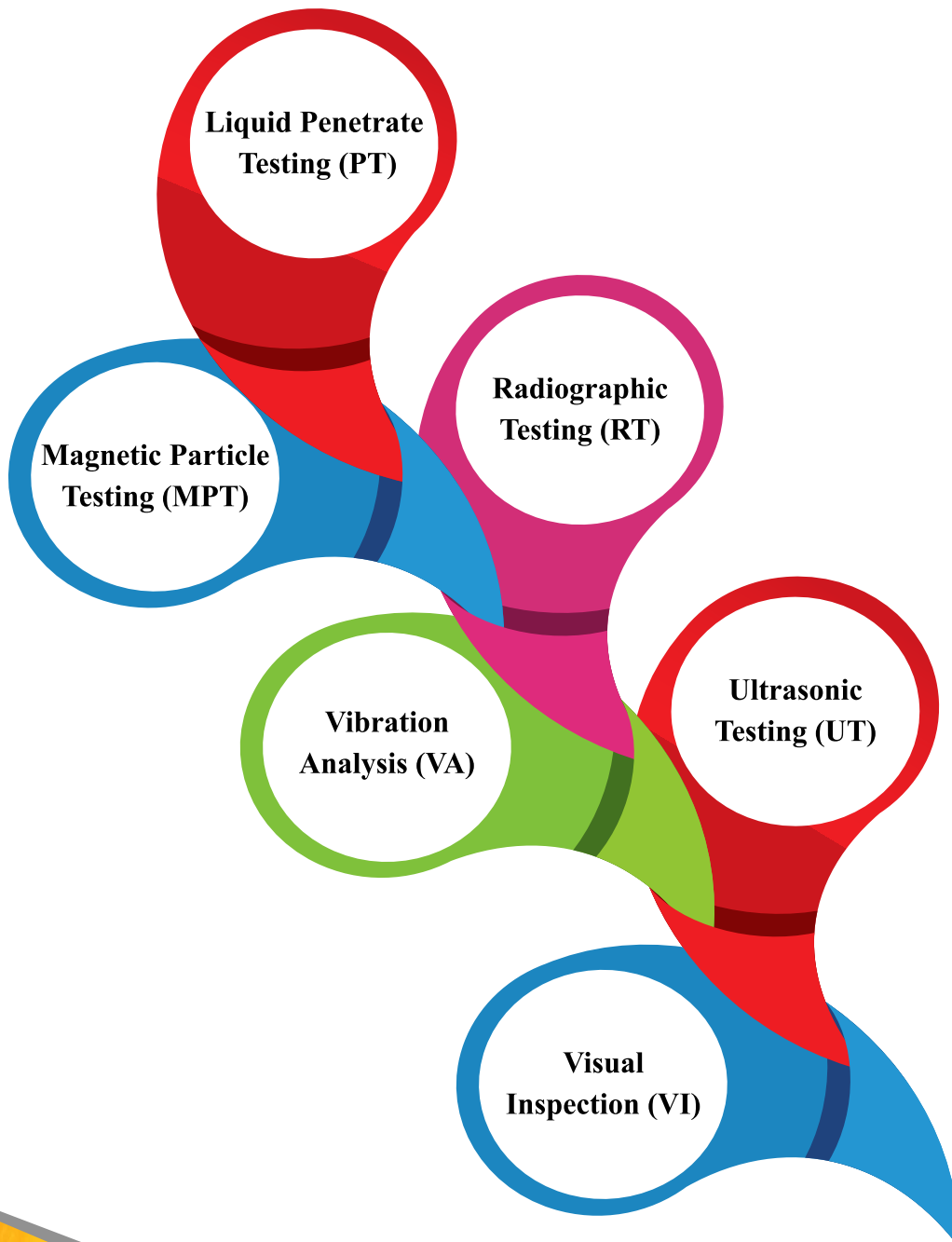
We provide Third party inspection and QA/QC services through our sister concern with more than 10 years experience. We have a team of experts and active work force of engineers to provide the technical services in the domain of QA/QC, QA/QC document verification and inspection of engineering goods at various stage of manufacture as well as final inspection. We have successfully worked with many clients to provide our services.

A) Third Party Inspection:

We provide third party inspection as per standards and QAP of clients at vendor / Supplier site.

B) Non Destructive testing services:

We offer following NDT services on site



Mechanical Construction Services @ BEAMS



We provide mechanical construction services through our sister concern with more than 10 years experience. We have a team of experts and active work force to provide the services in the domain of mechanical construction at various fields.

By combining professional knowledge and proven technology with an approach tailored to fulfill your specific needs .We have qualified supervisors, skilled technicians, semi-skilled and un-skilled labor

1 Fabrication and Erection of Steel Structures and Heavy Equipments

Fabrication and Erection of Steel piping (SS/CS/MS)

2

3 Fabrication and Erection of Non metallic piping

Erection of static equipments

4

5 Erection of rotating equipments

Industrials sheds

6

Water Treatment @ BEAMS



We are in water treatment world and providing **Design, Manufacture & Supply customized Water, Waste Water & Sewage Treatment Plants, Equipments, Spares & Chemicals** through our partner with more than 20 years experience. We have a team of experts and active work force to provide the services in the domain of water at various fields. By combining professional knowledge and proven technology with an approach tailored to fulfill your specific needs.

RO Plant

DM Plant

ETP

STP

ZLD System

Water Softeners

Filters

O&M of water treatment plants

BEAMS

BHAGWATI ENGINEERING & MANAGEMENT SERVICES

Office Address:

AASHRAY Residency, JSF- 4, 2nd floor

“J” Tower, TP-13, Chhani,

Vadodara, Gujarat 391740

Contact No: 9426596703

Email: beamsbaroda@gmail.com