

# EPC ENGINEERING



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## **COMPANY PROFILE**

We are a MSME registered, engineering organization having multi various activities in the field of Mechanical, Electrical ,Engineering and project execution expertise of various Industries in the field of pollution control-both air and water, material handling ,structural shed ,general fabrication and erection etc as a turnkey solution provider including design-engineering ,consultancy etc separately .

## **BACKGROUND**

We are a Group of Highly Qualified and Experienced Professional who have spent long years with various Multinational Companies working in senior responsible positions, handling Design, Production, Projects, Consultancy etc. having executed many Projects Successfully. In addition to that we have also a group of skilled Workers who are well trained in Fabrication, Erection and Commissioning of the system.

## **ACTIVITIES**

The company is a MSME registered organization having adequate infrastructure undertakes all types of structural and general fabrication jobs at its works and at the clients' sites. The company also undertakes complete design-drawing-manufacturing-site erection of Steel-structure sheds, platforms etc. for industrial and commercial projects. Besides the above activities, the company also has two specialized lines of activity viz. 'Pollution control equipments & systems' and 'Material handling equipments & systems'. These specialized products are tailor-made and offered with complete design-drawing to manufacturing and site erection, as per specific requirements of the buyer. The company also provides consultancy services for a total turnkey execution of the project including supervision services during implementation & commissioning.

## **FIELD OF EXPERTISE**

- Industrial air & water pollution control systems and Equipments.
- Material Handling Projects including conveyors, vibrating Feeders, Bucket Elevator, Screw conveyor, RAV etc .
- Manufacturing, Supply and Erection of Industrial and Logistic sheds.
- Structural and piping work
- Manufacturing, Supply of various tanks and vessels as per design and drawing.
- Other Civil / Structural engineering projects
- Iron & Steel Projects

- Ferro Alloy Projects
- Alloy Steel Projects
- Project Execution and EPC contracts like CHP/AHP/PCS, Heat exchangers etc
- Institutional Buildings and Infrastructure
- PARCOMATS (Multi stage space saving car parking systems)
- Mechanical engineering projects,
- Electrical engineering projects
- Supply of and erection of Refractory work
- General fabrications


## **ADDITIONAL SERVICES**

- Design engineering and consultancy of material handling system, Air pollution control system and related projects . Assistance in Selection of project sites considering all allied factors of the project
- Assistance in technology tie – ups wherever necessary
- Detailed project reports
- Sites development plans
- Process studies and process flow diagrams
- General and Area Layouts
- Internal Plant Layouts
- Manning requirements
- Bar chart programming
- Master plan for future expansion

## **PRODUCTION FLOW CHART FOR MECHANICAL & STRUCTURAL COMPONENTS**

1. Thorough checking of the production drawings and preparation of detail drawings as required.
2. Removing all discrepancy from production drawings (if present).
3. Preparation of manufacturing schedule.
4. Preparation of specific QAP



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5. Procurement of materials.
  6. Inspection & testing of raw materials as required.
  7. Preparation of cutting layouts & fixtures as required.
  8. Preparation of welding fixtures.
  9. Pre-heating of electrodes.
  10. Fitting of weldable parts.
  11. Welding as per specification.
  12. Inspection & rectification of dimensional errors after welding.
  13. Inspection of machined parts.
  14. Final Assembly.
  15. Dimensional & functional checking as required.
  16. Surface preparation & Painting.
  17. Packing as required.

## **BULK & PACKAGE MATERIAL HANDLING PLANT & EQUIPMENT**

**Design, Manufacture, Procurement, Supply, Erection, Commissioning & Servicing of:**

### **BELT CONVEYORS & FEEDERS**

Flat / Troughed Belt & Straight / Vertical / Curved types, for bulk Materials Belt widths 300mm to 1200mm, capacities 1 to 500 TPH, speeds 0.1 to 3.0m/sec

### **SCREW CONVEYORS**

Horizontal / Inclined / Continuous / Paddle / Differential Pitch Feeder types for Grains/powdery materials. Capacity 1 to over 10TPH, Screw Diameters from 200mm to 500mm Length 1m to 5m (Increaseable in series).

## **SLAT CONVEYORS**

Belt/Chain, Straight, inclined / Curved Profile Types, for Waste Paper Bales/Bundles/Scrap Paper/Sacks at inclines upto 30 deg inclination .

## **ROLLER CONVEYORS**

Horizontal/Inclined Gravity/Powered types for Packages, Cans, Bottles, Barrels etc. with/without Curves and Switch Points.

## **BALL TABLES**

For Junction Points in Roller Conveyors.

## **BALL CONVEYORS**

For Curved Paths with Sharper Bends with Roller Conveyors.

## **SLAT/APRON CONVEYORS**

For Conveying Bags, Boxes, Packaging Material & for Assembly Lines.

## **BUCKET ELEVATORS**

Belt driven Centrifugal / Continuous or Chain types, Vertical or at Steep Inclines, for Grains/Powders / Small Lumpy Materials. Capacity 1 to Over 20 TPH.

## **VIBRATING FEEDERS**

With unbalanced motor with/without frequency control drive for infinitely variable speeds.

## **RECIPROCATING FEEDERS**

Suspended/Floor Mounted type, for Run Of Mine/Large Lumpy Materials.

## **PNEUMATIC ASH HANDLING SYSTEMS**

From Electro Static Precipitators (ESP'S) by Positive Pressure Pipe Line, Silo, Bag Filter. Also

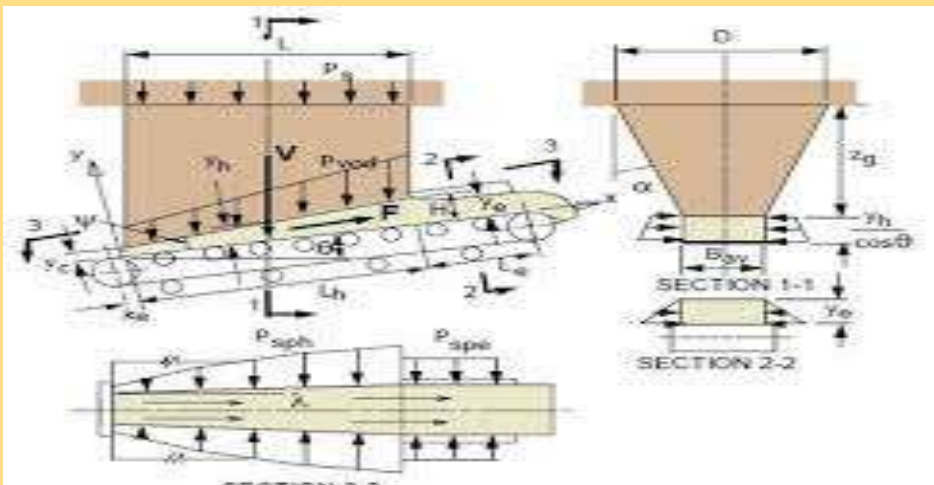
negative Pressure (Vaccum Suction) systems, from multiple inlet Points (also applicable for dry powdery / fine materials) for filling into bags or tankers..

We also install and commission all sorts of Boiler all over india and also do IBR related supply & erection work.

## **WE ALSO HANDLE AIR & WATER POLLUTION CONTROL SYSTEMS ON TURNKEY BASIS:**

- Design, Engineering, Manufacture, Supply. Testing and Commissioning of all type Pollution Control System on Turnkey basis.
- Assistance to obtain NOC to establish/Consent to operate from PCB.
- Project Execution of Structural and Pipeline work.
- Fabrication, Erection of Ducting, Chimney. Structure at project.
- Design, Engineering, Consultancy for Ingot Plant, Rolling Mill, etc.
- Product Range: Industrial Blower, Axial Flow Fan, Mancooler, Bag Fitter, Cyclona, Scrubber, Heat Exchanger, Cooler, Venturi Scrubber, Winter Colled Duct etc.

Mechanical Construction of a  
**BELT FEEDER**







**SLAT CONVEYORS**



**Screw Conveyor**



**ROLLER CONVEYOR**



**BALL TABLES**



**BALL CONVEYORS**



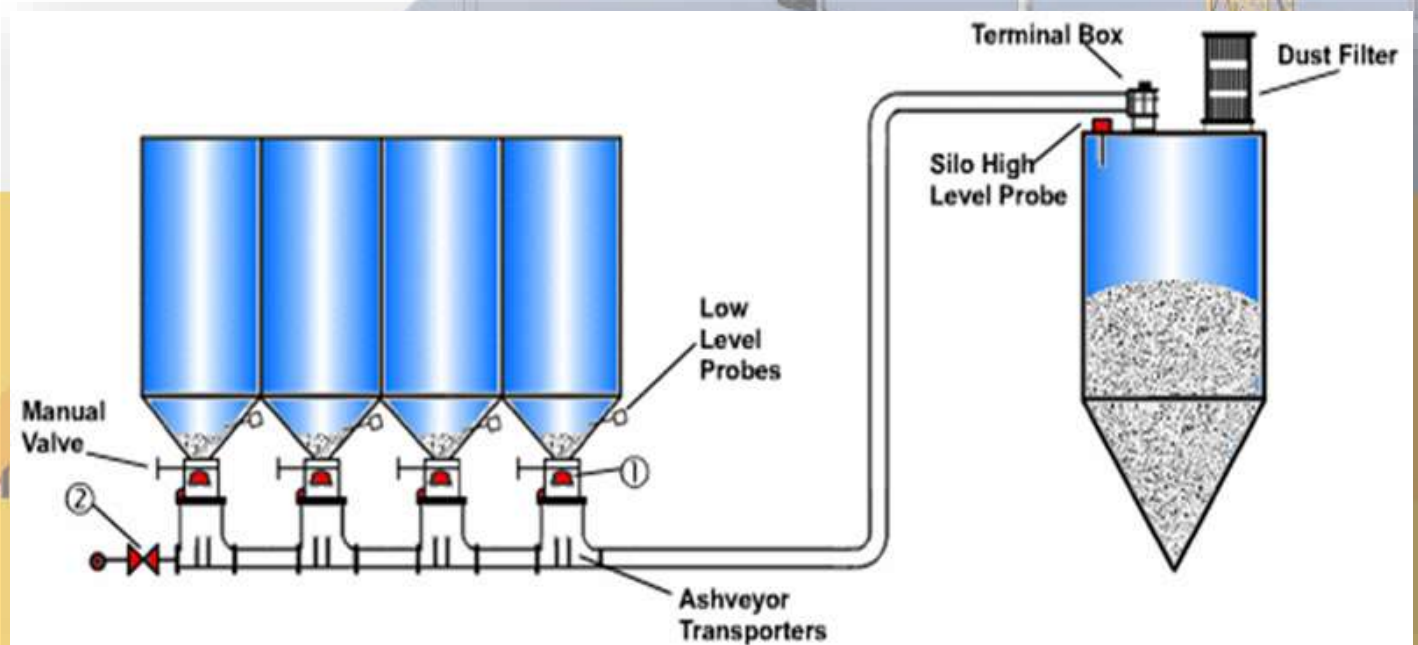
**SLAT / APRON CONVEYORS**



**VIBRATING FEEDER**



**RECIPROCATING FEEDER**



**PNEUMATIC ASH HANDLING SYSTEM**