

**3D
MODELLING**



**STRUCTURAL
DESIGN**

**CAD
DETAILING**



**STRUCTURAL
CONSULTANTS**



**FABRICATION
DRAWINGS**



**CONNECTION
DESIGN**



PIPING



**ESTIMATION
/ BOQ**

About us

Sanvikal Engineering Pvt. Ltd. Started as Proprietorship firm TechDesign-CSE, is a group of proficient and experienced engineers, modelers and draftsman. We aim to provide best and optimized structural design solutions within the given timeframe without compromising on the quality of work. We have over a decade of experience in designing various structures (Industrial, Residential and Commercial) within and outside India. We are well acquainted with latest structural analysis and design methods, national and international codes (American, British, Euro etc), modelling and drafting standards used and followed in national and international projects.

Core Values

- Delivering the Best and Optimized Solutions to Clients
- Learn, Apply and Grow
- Our Employees are Our Company
- Relations Matters

"With our knowledge, experience and people, we continuously thrive to provide best and optimized structural designs solutions to clients fulfilling their requirements within a given timeframe."

Why Us

- Serve Diverse Sectors • Start to End solutions at Reasonable Price
- Highly Qualified and Experience Staff • Systematic Approach



Services

- Structural Design
- Cad Detailing
- Fabrication Drawings
- Piping
- 3D Modelling
- Connection Design
- Estimation / BOQ
- Architecture

• Structural Design

Industrial Facilities

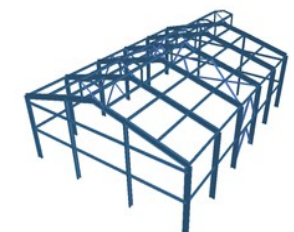
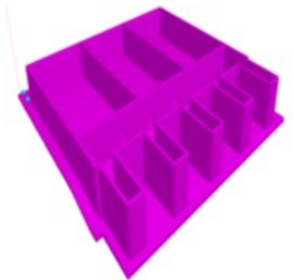
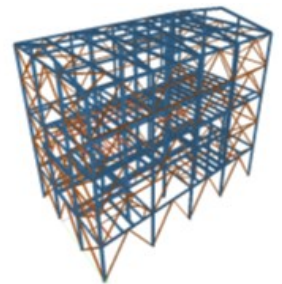
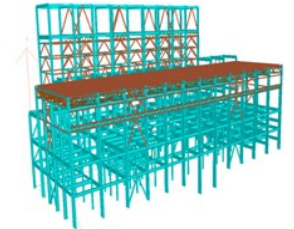
(Oil and Gas Refineries, Chemical Industries, Petrochemical Industries, Power Plants, Fertilizer Plants etc)

- Structural design of different Steel and RCC structures like process plants, piperacks, cooling tower, equipment foundation etc in industrial facilities for various National and International projects has been completed by us.

Multistory Buildings (RCC, Prestressed, Steel and Composite)

(Residential, Healthcare and Commercial Sectors)

- Various RCC residential buildings, commercial complex, shopping mall, water tanks etc has been designed by us using IS, ACI, European, BS and other design codes.
- 3D Modelling
- We serve for precise and detailed 3D modelling requirements of clients using latest software. Our team has an experience of 3D modelling of both industrial and residential structures.



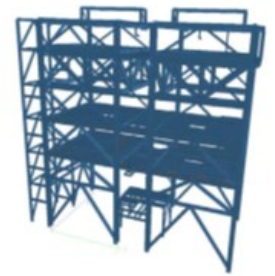
● Cad Detailing

- We have successfully done drafting and detailing for various steel and concrete structures. Various drawings such as structural GA, concrete structural GA, reinforcement detailing, foundation layout, base plate detail layout etc have been created for many national and international projects by us.



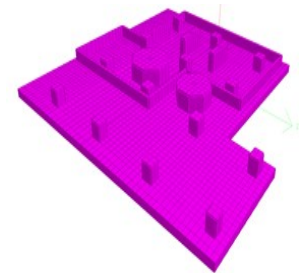
● Connection Design

- Our team has huge experience in connection design using various software's and spread sheets and programs which are developed in-house.



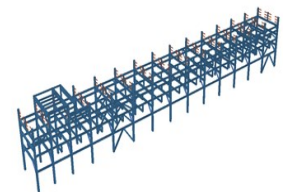
● Estimation / BOQ

- We provide services for detail estimation and BOQ (bill of quantities) of structural and civil items at tender and construction stage. We also provide estimate in man-hour's format required for completion of design task in any project along with detail schedule of deliverables and completion dates.



● Piping

- Apart from 3D modeling, extraction of isometrics for site construction and BOQ is also done. We are into expanding our team in piping modelling and stress analysis area.



● Architecture

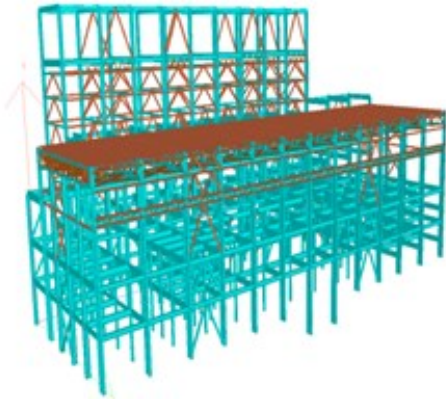
- With our various tie-ups and partners, we have started giving services in architecture design and animation to our clients in India.



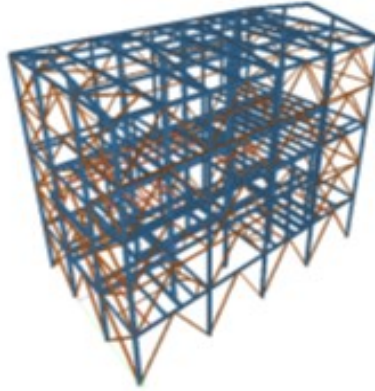
● Projects

Sr. No.	Project	Structural Design	3D Modelling	GA / Detail Drawings	Fabrication Drawings
1	PETFOOD PRODUCT FACILITY THAILAND.	✓	✓	✓	✓
2	BIOPHARMACEUTICAL FACILITY, SOUTH KOREA.	✓	✓	✓	
3	PETCARE PRODUCT FACILITY, THAILAND.	✓	✓	✓	✓
4	REFINAREY STRUCTURES, SI GROUP, INDIA.	✓	✓	✓	✓
5	EVAPORATOR SUPPORTING STRUCTURES , APEX ECO-TECH, INDIA.	✓		✓	
6	BAG HOUSE STRUCTURE, STEEL AUTHORITY OF INDIA, INDIA.	✓		✓	
7	CNG STATIONS , MNGL, INDIA.	✓		✓	
8	STEEL STORAGE TANK , TECHNOGRAPH, SAUDI ARABIA.	✓		✓	
9	CRANE RUNWAY DESIGN , PETRON SAUDI CO., SAUDI ARABIA.	✓		✓	
10	INDUSTRIAL SHED , D. M. ENGINEERING CO., INDIA.	✓	✓	✓	
11	STEEL FORMWORK DESIGN , CIDCO OF MAHARASHTRA, INDIA.	✓		✓	✓
12	RESEDENTIAL BUILDINGS, ANARCHMENT ARCHITECT, INDIA.	✓	✓	✓	
13	PEB SHED, ALPHA THERMAL LTD, INDIA.	✓	✓	✓	✓

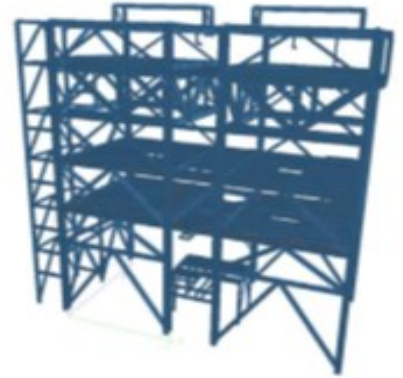
Some Structures Designed by Us



● TG Building



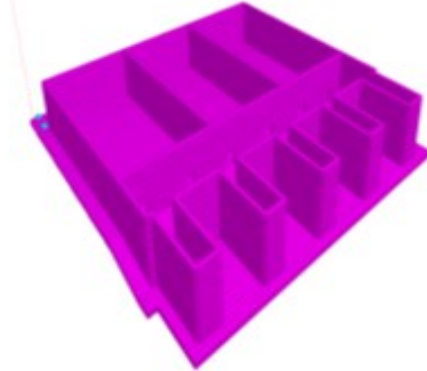
● Crusher House



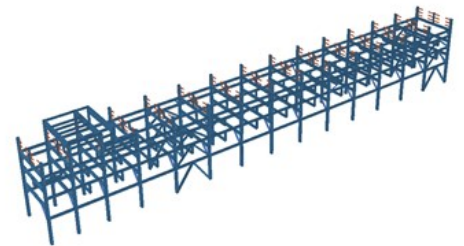
● Process Structure



● Residential Building



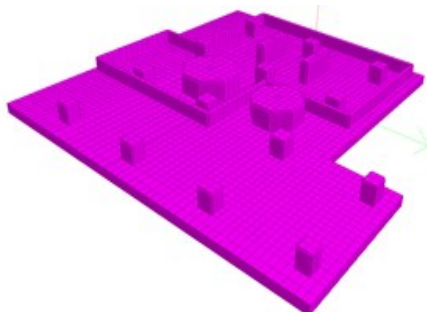
● Cooling Tower



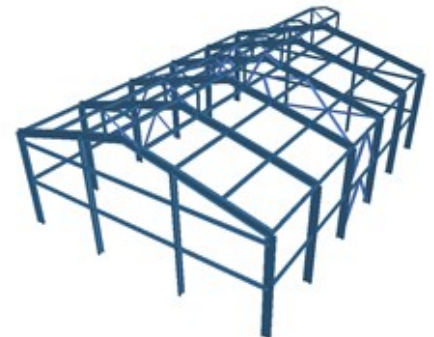
● Pipe Rack



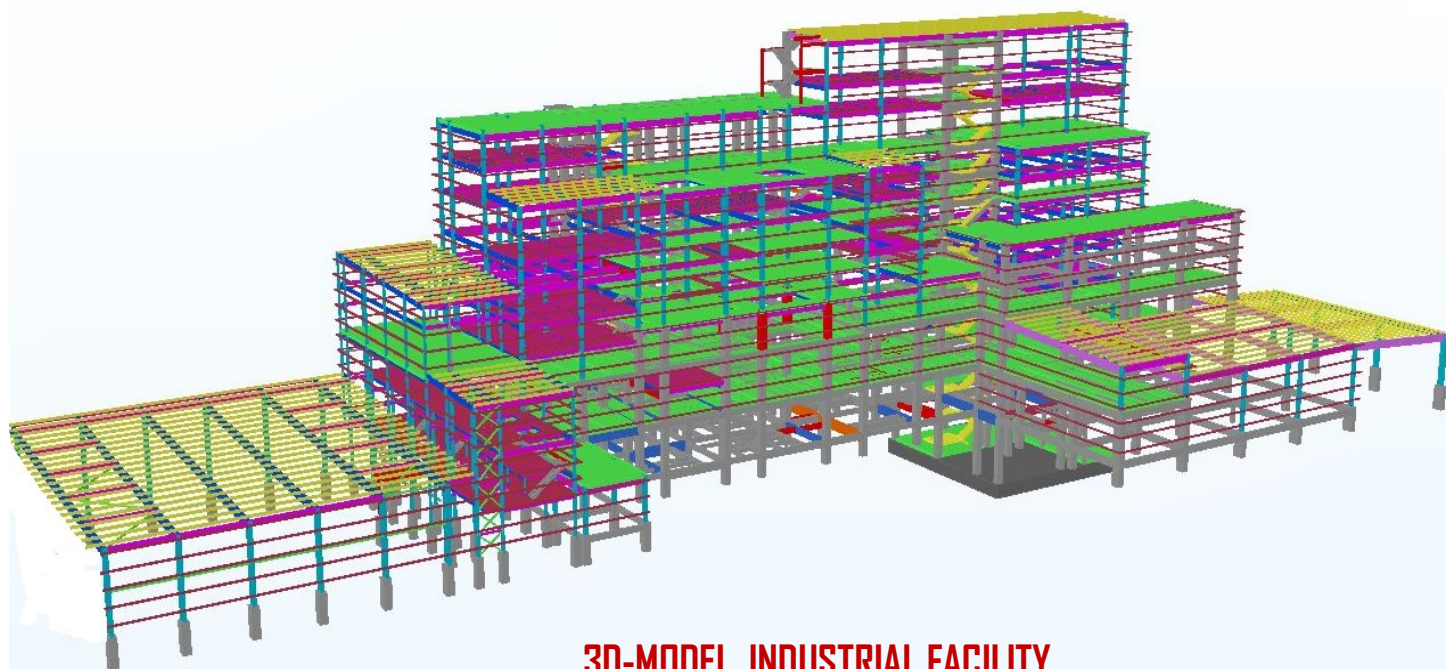
● PEB Industrial Shed



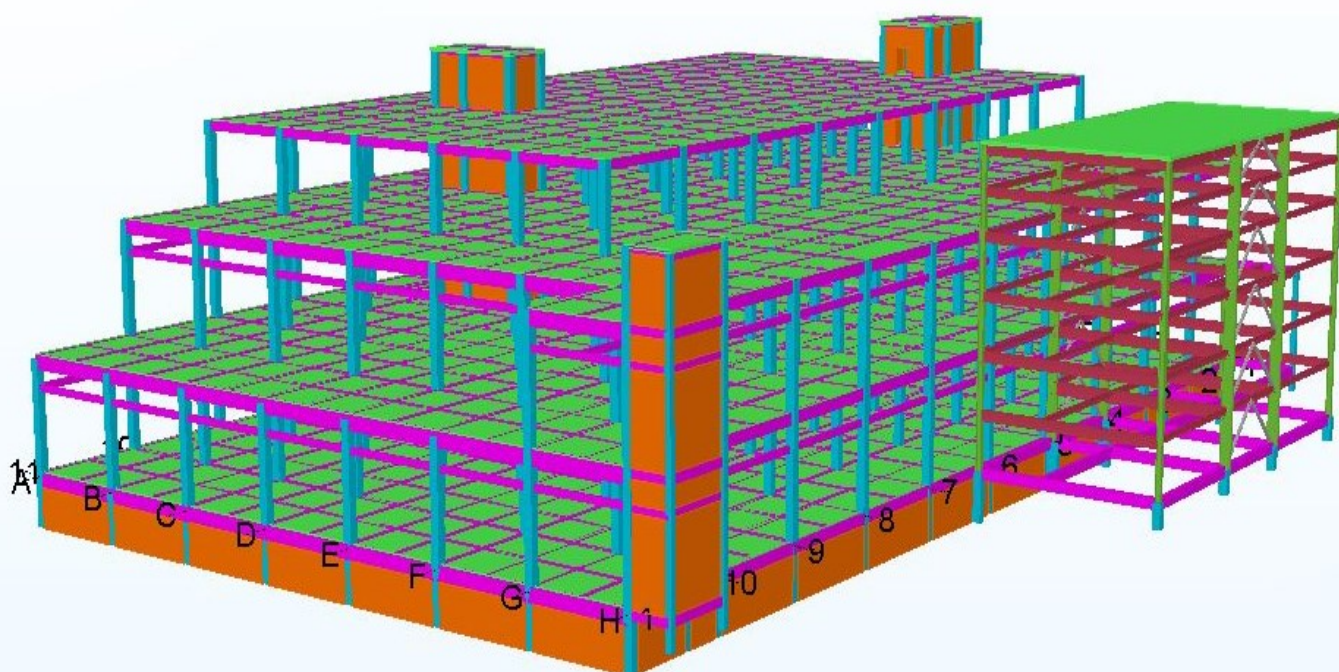
● Mat Foundation



● Compressor House

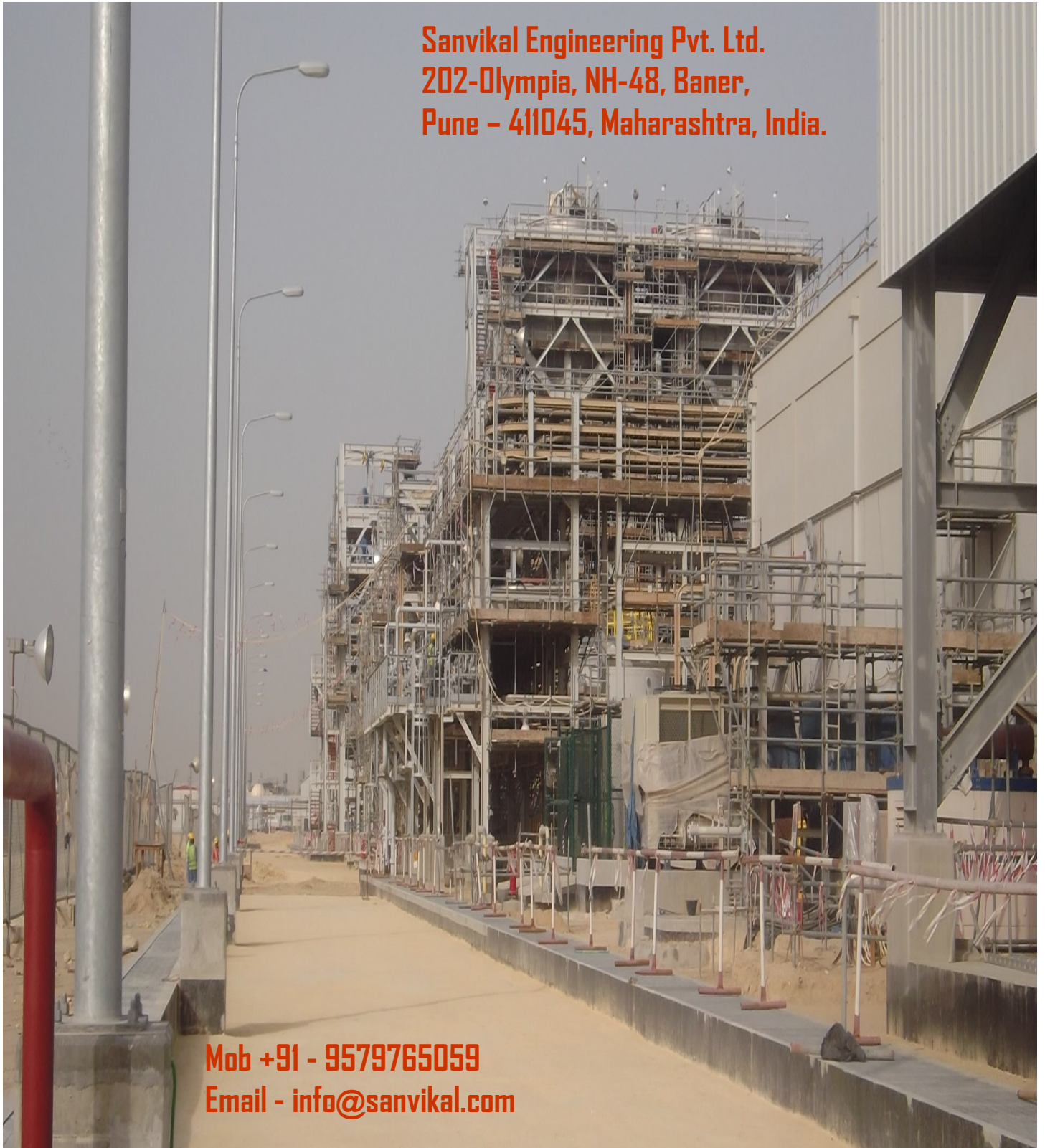


3D-MODEL, INDUSTRIAL FACILITY



3D-MODEL, INDUSTRIAL FACILITY

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