

ABHAY AVINASH KULKARNI

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EDUCATION

- Master of Technology (*Structure*), College of Engineering, Pune (*COEP, an Autonomous Institute*) [2011]
- Bachelor of Engineering (*Civil*) (**With 1st University Rank**) S.R.T M. University, Nanded Maharashtra. [2008]

WORK EXPERIENCE

- **Aker Solutions** 5 Years & 8 Months [July 2011 –Feb 2017]
- **IBI Chematur** 9 Months [March 2017- Present]

Currently working as a **Structural Engineer** in Civil Structural & Architectural Department.

Structural Engineering experience includes

- Oil and Gas Project
- Petrochemical Plants
- Refinery Project
- Process Plant

KEY AREA OF EXPERIENCE:

1. Detailed Engineering of On-shore projects. Work includes,
 - ❑ Analysis & detailed design of Technological Structure in steel & concrete.
 - ❑ Analysis & detailed design of Pipe-racks in steel & concrete.
 - ❑ Pipe Support analysis & design.
 - ❑ Equipment foundation analysis & design.
 - ❑ Raft Foundation analysis & design.
 - ❑ Vessel foundation, Tank foundation analysis & design.
 - ❑ Commercial building like Admin building, Canteen building analysis & design detailing.
 - ❑ Underground services design like, Layout & design of Storm water drain, Pit design etc.
2. Detailed Engineering of Off-shore projects. Work includes,
 - ❑ Analysis & Design detailing of Outfitting structure like Pipe-racks, Operating Access Platforms, Maintenance Platforms and Equipment Supports.
 - ❑ Access Platform designed for Trolley movement, with Lifting Lug & Monorails details.
 - ❑ Joint Design of RHS Sections in Pipe-racks & Access platforms.

SPECIALIZED EXPERIENCE

- Basic & Detailed Engineering of Onshore Structure.
- Outfitting Structure Analysis, Design & Detailing of offshore Structure.

SKILLS DEVELOPED

Software Familiar with-

- Well convergent with STAAD PRO, STRU PROG, Mathcad, Naviswork Simulate, Naviswork Freedom, Autodesk True View and Bentley Viewer.
- Convergent PDMS Basics, PDMS Draft, Smart Plant (SP3D) Review.

Standards Familiar with-

- Well Convergent with Indian codes.
- Convergent with Euro code, NORSOK codes.

LICENSORS WORKED WITH

- Technimont ICB for TCMPL Project
- STATOIL (Norway) for Johan Sverdrup Project
- Reliance for SNG Project
- Reliance for Truck Plaza Project.
- Reliance for Project PTA 5 / PTA 6,
- Krishnapatanam oil refinery (LDC)
- Monnet Ispat & Energy Limited
- Air Products and chemicals. Inc.

CAREER SUMMARY

❖ IBI Chematur Company From March 2017 to till date

Working on detail engineering projects like

- DFPCL Project
- GACL Project

❖ M/s Aker powergas pvt. Ltd from July 2011 to Feb 2017

Worked on various detail engineering projects like

- Techimont ICB- TCMPL Engg Services
- Aker Engg & Technology As-Johan Sverdrup Epma Project
- Ril- Sng
- Ril- Dow Vap
- Ril- Truck Plaza
- Ril - PTA5/PTA6

- Monnet Ispat & Energy Limited
- I.G. Petrochemicals Ltd. Taloja
- Ld Commodities India Pvt. Ltd
- Air Product-Mogi/ Intel Fab
- Trainee Project.

KEY PROJECT EXPERIENCE

A. Onshore Projects:

1) DFPCL Project

- ❖ Client: Deepak Fertilizer
- ❖ Project : Nitric Acid Project at Dahej
- ❖ Responsibility: Worked as Structural Engineer which involves, analysis & design Checking & co-ordination.
 - Analysis & foundation design Checking of CNA Process Building.
 - Analysis & drawing checking of Substation & Control Room Building
 - Analysis & foundation design Checking of Admin Building, Canteen, Security Block Security Guard House
 - Analysis & foundation design Checking of Boundary Wall.
 - Analysis & foundation checking of Tank Farm Area.
 - Preparation of BOQ.
 - Man-hour Estimation.

2) TCMPL Project

- ❖ Client: Technimont ICB
- ❖ Project : TCMPL Project
- ❖ Responsibility : Worked as Design Engineer which involves,
 - Analysis & foundation design of Pipe Supports & scheduling.
 - Foundation design of secondary platforms scheduling.
 - Foundation design of Pipe -rack

3) RIL-Substitute Natural Gas Unit (SNG).

- ❖ Client: Reliance
- ❖ Project : OSBL COMPLEX
- ❖ Responsibility: Worked as a design Engineer which involves,
 - Analysis & Design of Tech Structure ST1-1 (Train-1) & detailing to deliver drawings.
 - Design & detailing of Structural Steel for ST1-1 (Train-1) Structure to deliver drawings.
 - Design of Raft Foundation for ST1-1(Train-1) Structure, Boiler Structure& drawing detailing.

4) RIL – DOW Vaporiser

- ❖ Client: Reliance
- ❖ Project : DOW VAP
- ❖ Responsibility: Worked as Design Engineer which involves,
 - Analysis & Design of Substation Building.
 - Schedule of Quantity Estimation for DOW VAP project.

5) RIL – Truck Plaza

- ❖ Client: Reliance
- ❖ Project : OS & US at DMD Phase -1
- ❖ Responsibility: Worked as a Lead Engineer which involves,
 - Layout of Road & Truck Parking
 - Analysis & Design of RCC Canteen Building.
 - Analysis & Design of Transporter Office, Drivers Cooking Area.
 - Layout & Design of Storm Water Drain of Truck Plaza.
 - Design of Septic Tank
 - Compound Wall design & detailing.

6) RIL - PTA5

- ❖ Client: Reliance
- ❖ Project: PTA5
- ❖ Responsibility: Worked as a design Engineer which involves,
 - Analysis & Design detailing of Pipe- rack to deliver drawing.
 - Design of Civil Pipe Supports in Area C, Area D
 - Design of Grade Support & its foundation
 - Preparation of Calculation Report which includes checking of drawing as per analysed structure, updating of Staad files, RCC Beam Design, Column Design.

7) Iron Ore Pelletizing Plant

- ❖ Client: Monnet Ispat & Energy Limited
- ❖ Responsibility: Worked as a Design Engineer which involves,
 - Analysis & Design of Foundation for ESP HOOD & Wind Box.
 - Connection Design.
 - Quantity Estimation.

8) Trainee Project (Dummy Project)

- ❖ Worked as a Design Engineer which involves,
 - Study & Preparation of Sample Civil Design Basis
 - Analysis & Design of Admin & Control Building
 - Study & design of Tank foundation (Ring Beam)
 - Study & Foundation design Weigh bridge
 - Study & Sample Foundation design of Pump.

- Substation Layout & Foundation Design.

9) LD Commodities India Pvt. Ltd

Krishnapatanam Vegetable Oil Refinery

- ❖ Client: LD Commodities India Pvt. Ltd
- ❖ Responsibility: Worked as a Design Engineer which involves,
 - Analysis & Design of Pipe rack, Foundation Design.
 - Analysis & Design of Horizontal Vessel Foundation.
 - Design of RCC beams & columns in Workers Facility.
 - Compound Wall Design.
 - Checking of BBS drawings in bulk quantum (Different Areas)

10) I.G. Petrochemicals Ltd. Taloja

- ❖ Client: I.G. Petrochemicals Ltd. Taloja.
- ❖ Project : PA3 Project
- ❖ Responsibility: Worked as a design Engineer which involves,
 - Quantity Estimation of Cooling Tower Unit
 - Design of RCC beams & columns for Incinerator Unit.

11) Air Product Mogi/ 2090/8089 -Air product Intel Fab

- ❖ Client: Air Product
- ❖ Responsibility: Worked as a Design Engineer which involves,
 - Preparation Calculation Report
 - Connection Design

B. Offshore Project:

1) Johan Sverdrup Phase-1 Epma

- ❖ Client: Aker Eng. & Technology AS.
- ❖ Project : Johan Sverdrup Phase-1 Epma P1 Platform
- ❖ Responsibility : Worked as Area Engineer which involves,

Design & detailing of Outfitting Structure on P1 Platform.

- Analysis of Major Pipe-racks for blast Load, lifting Lug load & design, detailing to deliver the drawings in AC120 & AC320 Area
- Analysis of Equipment Support Foundation like Horizontal Vessel, Major Equipment & its Design in Stru Prog, detailing to deliver the drawings in AC120 & AC320 Area
- Analysis of Access Platforms for blast load, trolley movement, lifting Lug & monorail loads and & design, detailing to deliver the drawings in AC120 & AC320 Area.
- Maintenance Platform Analysis & Design.

PUBLICATIONS

Progressive Collapse Assessment of Structure *International Journal of Earth Sciences and Engineering* Oct 03, 2011 with Dr. Rajendra Joshi.

HOBBIES/INTERESTS

- Playing Cricket, Carom
- Listening Music
- Reading News Papers

PERSONAL INFORMATION

- *Name:* Abhay Avinash Kulkarni
- *Date of Birth:* 08 Nov 1986.
- *Marital Status:* Married.
- *Nationality:* Indian.
- *Languages Known:* English, Hindi & Marathi.

Cohesive team worker, having strong analytical, problem solving and interpersonal skill.