



TARANG SHETH

ENGINEER (CIVIL & STEEL STRUCTURE)

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Gurugram, Haryana, India.



Profile Summary

BE (Civil) Experience: 6 years 0 months Industry : Oil & Gas Engineering
Current Employer : Fluor Daniel India Pvt. Ltd 03/17 to till date
Previous Employer : Linde Engineering India Pvt Ltd 07/12 to 02/2017

- Full cycle experience of project from FEED → basic engineering → detail engineering → construction support
- Experienced in handling green field as well as brown field project



Professional Experience

Working as Associate Design Engineer II (civil & steel structure) at Fluor Daniel India Pvt. Ltd from March 2017

Projects Details:

Valero Jean Gaulin refinery (tier III project), Quebec, Canada

- From 4/2018 – till date Area lead /Design Engineer Code: Canadian Brown field Project

Activities Performed:

- Loading calculation , analysis, design for technological structure & equipment (pumps & column) foundations
- Soil report review & Vendor drawing review
- Drawings & static calculation's review
- Internal schedule ,work plan preparation & Work allocation

South Louisiana Methanol Project, Louisiana,USA (Saint James Methanol Plant)
Capacity 5275 MT (3rd Generation modularization execution philosophy)

- From 1/2018 – 4/2018 Design Engineer Code: American Bridging LSTK Project

Activities Performed:

- Work base document & Specification preparation & review
- Re-baselining of MTO and man hour

T -33 Replacement, Celanese plant Site, Pasadena, Texas

- From 10/2017 – 1/2018 Design Engineer Code: American Brown field project Client: Indorama Ventures) LLC

Activities Performed:

- Analysis, design & detailing of Equipment foundation (vertical vessel, horizontal vessel ,pump) & preparation of calculation report
- Checking of foundation drawing & Steel GA
- RE-Validation of vertical vessel/column/Exchanger foundation as per latest code & enhancement/upgradation provision



Key competencies

Analysis & Design of Steel & RCC Structure

A & D : Piperack, Cable Rack & Technological Structure

Stickbuilt / Precast/ Cast In Modular Struct. Situ Structure

A & D : Shelters (for pump, Compressor etc.)

A & D : Miscellaneous Pipe Support (Field Support), Access Platform

A & D: Vertical/Horizontal Vessel foundation

Design: Exchanger Foundation Design: Pump Foundation

A & D: Underground Liquid Retaining Structure

Vendor Drawing Review Preparation of Work Base Docs

Fabrication Drawing Review (Erection And Cutsheet)

Resolving Site Queries, Fabricator's RFI & Sub-Contractor's Queries

Inter Discipline Coordination & Interfacing

Material Take Off Estimation Man hour Estimation

Automated Tool Development

3rd Gen Modularization Steel Connection Design+Detailing

Module's Barge , SPMT, Lifting , Jacking Analysis

Smart Model Transfer Repairing And Retrofitting

Advance analysis: RSA, P-delta, DAM & FEM

2018

Shell Nederland Raffinaderij, B.V. Solvent De-Asphalting Unit (SDA)
Design Capacity 7,200 TPD KBR's ROSE® Technology

❖ 09/2017 – 10/2017 Design Engineer Code: Euro code

Activities Performed:

- ❖ SPMT revalidation as per mod yard & SPMT contractor's configuration
- ❖ SPMT skew & stability analysis for PAUs & static calculation report preparation
- ❖ Impact assessment on connection & dynamic force calculation for barge transport

South Louisiana Methanol Project, Louisiana, USA (Saint James Methanol Plant)
Capacity 5275 MT (3rd Generation modularization execution philosophy)

❖ From 03/2017 – 08/2017 Code: American FEED

Activities Performed:

- ❖ Analysis / Design of Modules & foundation
- ❖ Preparation of Sketches
- ❖ Working out MTO concrete and structural steel for Re-FEED
- ❖ Assisting in Working out Man-hour estimate for New Delhi scope
- ❖ Performing Barge, SPMT, Lifting & jacking analysis in addition to onsite analysis

Shell Franklin (Polyethylen plant), Monaca, USA
(Capacity: 2x550 kt/a HDPE & LLDPE)

2017

❖ From 02/2016 to 02/2017 Code: American
Senior Executive Engineer Linde Engineering India Pvt. Ltd

Key responsibilities:

- ❖ preparation & validation of work base documents
- ❖ Analysis, design & detailing of structures
- ❖ preparation of static calculation report
- ❖ Preparation of connection design & detailing
- ❖ Checking of 3d model & performing interdisciplinary interface
- ❖ Checking of formwork, reinforcement, steel GA

Structures Designed:

- ❖ Technological Structure
- ❖ Compressor house with EOT crane
- ❖ Piperack

Reliance J3 Project (ASU,SRU & AGR), Jamanagar
Linde Engineering India Pvt Ltd

2016

❖ From 12/ 2015 to 02/2016 Site support Structure engineer

Key responsibilities:

- ❖ Resolution of the site engineering Request & maintaining the log for same
- ❖ Performing Field engineering for the Engineering – construction mismatches & issues
- ❖ Supporting site construction activity Solving queries



Software Skills

✓ Structure Analysis & Design

STAAD Pro V8i

Risa 3D

SCIA Engineer 14

✓ Foundation Design Software

Risa Foundation

MAT 3D

Foundation 3D

Horizontal Vessel IP355

Vertical Vessel IP355

STAAD Foundation

✓ Drafting Software

Microstation

Autocad

Smart Sketch

✓ 3D Modelling Software

Smart Plant 3D

Frameworks plus-PDS

Orbitor

✓ 3D Model review Software

Smart Plant Review

Design Review

Navis Works

LFM

Reliance J3 – AGR(Acid Gas Removal plant), Jamanagar
World's largest Rectisol® Plants

2015 ❖ From July 2013 to December 2015 Design Engineer Code: IS Code
2014 Capacity: >2,000,000 Nm³/h Raw syngas x 2units

Key responsibilities:

- ❖ preparation & validation of work base documents
- ❖ Analysis, design & detailing of structures & preparation of static calculation report
- ❖ Timely delivery & quality of deliverables
- ❖ Preparation of connection design & detailing
- ❖ Checking of 3d model & performing interdisciplinary interface
- ❖ Checking of formwork, reinforcement, steel GA, Architectural Drawings
- ❖ Checking of erection - fabrication drawings
- ❖ Preliminary sizing for Equipment foundations (Vertical & Horizontal Vessels)
- ❖ Preparation of modularisation concept & Lifting analysis
- ❖ Equipment vendor drawing review
- ❖ Leading team of seven people for about three month due to scope addition in the project
- ❖ Correspondence with detailer & Resolving detailer's query
- ❖ Resolving site queries & Handling (closing) Site Engineering Request
- ❖ Correspondence with sub-contractor, resolving queries & Checking of static calculation reports & drawings from sub-contractor & approving the same
- ❖ Working out MTO concrete and structural steel

Structures Designed:

- ❖ Technological Structures – (Steel Structures & Hybrid structure (RCC + Steel))
- ❖ Compressor house with EOT crane – (Hybrid structure (RCC + Steel))
- ❖ Piperacks (Hybrid structure (RCC + Steel), precast concrete construction)
- ❖ Underground pit design
- ❖ General civil drawings (paving layout with civil pipe support ,Trench)
- ❖ Equipment mounted top platforms
- ❖ Monorail structures for pumps
- ❖ Miscellaneous pipe supporting structures & Field supports

IOCL – Barauni –T'12(Hydrogen genration plant), Bihar –Training project
(Capacity – 20,000 MTPA)

2013 ❖ From December 2012 to June 2013 Design Engineer Code: IS Code

Key responsibilities:

- ❖ Preparation of design basis & work base documents
- ❖ Analysis, design & detailing of structures & preparation of static calculation report
- ❖ Checking of form work & reinforcement drawing
- ❖ Checking of 3d model & performing interdisciplinary interface
- ❖ Vendor drawing review
- ❖ Equipment foundation design (Vertical & Horizontal Vessels) & Minor field support design

2012

✓ **Connection Design Software**

LIMCON

RISA Connection

✓ **Other Software**

Excel VBA

Microsoft Excel

Microsoft Word

Microsoft Power point

Mathcad

Microstation VBA

Open STAAD

Hilti PROFIS Anchor

Hilti PROFIS Rebar



Codes & Standards

✓ **Codes**

Indian Standard codes

American codes

Canadian codes

Euro codes

✓ **Standards**

PIP Standards

Shell DEPs

Bechtel standrads

RIL standards

Linde standards

Fluor guideline and standards



Academic Credentials

B.E. (Civil)	L. D. College of Engineering(Gujarat Technological University)	CGPA 7.82	June-2012
HSC	Gujarat Secondary & Higher Secondary Education Board	67.40%	May-2008
SSC	Gujarat Secondary & Higher Secondary EducationBoard	83.14% (With Technical Subjects)	May-2006



Trainings & development

- ❖ Undergone 1 yearlong soft skill training program at Linde engineering India pvt. Ltd
- ❖ Attended outbound training program on "Confluence- the power of we "
- ❖ Undergone a outbound training program on Leadership, motivation & development
- ❖ Experienced a training program on "Emerging Trends in Civil Engineering" at Birla Vishwakarma Mahavidyalaya, Vallabh Vidyanagar offered by CEPT university



Achievement

- ❖ Only GET to get promoted as Senior Executive Engineer in March 2016 from the GET Batch 2012
- ❖ Got 1st price in tremor terror at techfest'11(Teqnix) at L.D. College of Engineering.
- ❖ Positioned 1st runner up in Structo Quiz (A State level inter college structural quiz) organized at L.D. college of Engineering.
- ❖ Positioned 1st runner up in cement-o-cube at techfest'11(Teqnix) at L.D. College of Engineering.



Personal Dossier



TARANG RASHMIKUMAR SHETH



Date of birth: 9-1-1991



17,Ghanshyambaug Society, Nr.Uttamnagar Garden, Maninagar
Ahmedabad, Gujarat, India.



www.linkedin.com/in/tarangsheth



References

Available on request.



Declaration

I hereby declare that all above information is true.

Date:

Place: Ahmedabad

(Tarang R. Sheth)



Personal Skills



Hobbies



Languages Known

