

GAURAV MAROO

MTech-Civil Structural Engineer (12Yrs Exp)

MIEI, LIRC, MIASE

Gurgaon-India

Mobile: +91-9015321215



CAREER SUMMARY

Civil Structural Engineer, with 12 years of experience in EPC/ Oil & Gas /Infrastructure Industry. Worked in Multicultural Office Environment for Structural Planning, Design and Construction coordination. Having Post Graduate degree in Structural Engineering, Exposure to Indian and International Standards. Worked as Area Lead for Engineering deliverable with team of 15-20 Engineers and Designers. Ability to interact effectively with stakeholders and to make decisions on key technical issues in a demanding, fast paced environment.

Performed coordination activity at Construction Site with contractor for Site Queries, FERR, Safety, Material Inspections and Site Progress Reporting including detailed reporting. Also handled client queries and design TQs with close coordination of Engineering offices.

Independently Handled Vendor Interface for Steel Fabrications and Process Equipment platforms. Worked on Lean Six Sigma Project "Improving Schedule Performance" with Goal to achieve Company Core values on Quality and Schedule. Assisting project lead with developing scope, schedule and budget on development projects.

Excellent communicator, Known for ability to produce high-quality deliverables that meet or exceed timeline and budgetary targets. Learn and remain current on standards, systems, codes and procedures.

SKILLS SUMMARY:

Civil Structural Engineering:

- Earthquake Analysis, Dynamic Analysis and Worked on Modular Structures with Transportation Analysis (Sea-Land-Lifting).
- Engineering software STAAD, MAT 3D, RAM. Conversant with 3D modeling and review software PDMS, Navis works & SPR.
- Construction Project Site -Design Engineering coordination

Project Lifecycle:

- FEED Study, MTO and Man-hours
- Deliverables as per Client Standards and Code of Practices
- Vendor Management and Inter discipline Coordination and Site Support

Value-Added Leadership:

- Team Building & Mentoring
- Six Sigma Analysis Tools

PROFESSIONAL EXPERIENCE

Jan-2015 to till Date	McDermott India Pvt Ltd (CB&I India) , Gurgaon- India
Nov-2011 to Dec-2015	Samsung Engineering India Pvt Ltd , Noida- India
Aug-2008 to Oct-2011	JaiPrakash Associates Pvt Ltd (JAYPEE Group) , Noida- India

**Civil Structural Engineer, Jan-2015 TO TILL Date
McDermott India -Gurgaon**

EPC-ADNOC CFP Project – ABUDHABI

- Assigned as a Field Interface Engineer at Construction Site Office for Handling SQ, FERR and Site Progress Reporting.
- Area Lead for Checking of Engineering Calculations and Drawings, Training to fresh Engineering Graduates assigned on Project. Maintaining Potential Change Log Data Base.
- Working on Design of Pipe racks, Vessel Pit, Foundations and other Civil Structural Designs.

EPC-Total Ethane Cracker Project - USA

- Worked on Modular Structure ,Detailed Design and Transportation Analysis (Sea-Land-Lifting)
- Assigned for Checking of Engineering Calculations
- Responding to Fabrication Queries/Model Review Tags

Improving Schedule Performance “SPI” , 2016-2017

Six Sigma Project – Gurgaon

- Data Analysis for DONG, KNPC and LACC EPC Projects, which had executed in Gurgaon office. Using six sigma tools.Detailed DMAC approaches prepared.
- Initial Six Sigma Training was given by KPMG India

EPC-LIWA Plastic ORPIC – Oman

- Civil Structure Design, Analysis and Planning for Pipe racks, Shelters and Tech Structures.
- Handling Client Comments, Shop Vendor RFI, Piping UG and Site Queries related to design.

EPC-Clean Fuels Project-KNPC – Kuwait

- Civil Structure Design, Analysis and Planning for Pipe racks and Tech Structures. Detailed connection design performed.
- Handling Client Comments, Shop Vendor RFI, Piping UG and Site Queries related to design.
- Responsible for maintaining Departmental Interface and Communication System (DICS) with weekly meeting with HO.

FEED-LIWA Project – Oman

- FEED Quantity Estimation for Structures, Foundations and UG etc.
- Producing and checking of backup calculation in support of above FEED.

**Senior Civil Structural Engineer, Nov-2011 TO Dec-2014
Samsung Engineering India Ltd –Noida**

EPC-CPF Phase 2 at Badra Oilfield – Iraq

- Analysis and Design of Pipe Racks, Tech Structures, Equipment Foundations and Trenches.
- Review of Shop Drawings and 3D model. Review of ITB documents and design Basis.
- Performing project activities like Incorporation of client comments/ID Checks /Modal Reviews Tags/CRS etc.

FEED-Mundra Re Gas LNG Terminal – Gujrat-India

- EPC Proposal Quantity Estimation Task
- calculation Analyzed & designed most represent able structure in each category like pipe rack, equipment structure, shelter, building etc. and prepared detailed BOQ

EPC-STC Aromatics-2 Project – Deasen, South Korea

- Review of Project documents, Design Basis, Standard drawings, Design Templates
- Analysis and Design of pipe racks and Technological Structures
- Calculation of detailed BM and comparison with proposal quantity.

Resident Civil Engineer, Aug-2008 TO Oct-2011 Jaiprakash Associates Pvt Ltd -Noida

EPC-Yamuna Expressway Industrial Development Project – Noida

- Analysis & design of Substructure-Foundation consist of Pile / Isolated/ Combined Footings.
- Design of Box culvert using staad with mat foundation modeling. Analysis and Design of RCC Frame Buildings with open foundation Design of RCC Retaining walls with shear key.
- Estimation of quantities for bidding purpose .Preparation of Project Reports.
- Coordination with approving agencies for approval of design, Construction Site Visit for verification and approval of Design Changes and NCR.

EDUCATION

Master of Technology (Structural Engineering) - IIT ROORKEE (2006-2008)

Indian Institute of Technology ,Roorkee-India

Bachelor of Engineering (Civil Engineering) - MBM ENGINEERING COLLEGE (2002-2006)

Jai Narayan Vyas University ,Jodhpur-India

PROFESSIONAL AFFILIATIONS

- Institution of Engineers (I) Associate Membership.(ID: AM136381-9)
- Life Member of Indian Road Congress.(ID: LM-35227)
- Member Indian Association of Structural Engineers. (ID: M-273)
- Active Member of NICEE and SEFI.

TRAINING & CERTIFICATIONS

- NICEE IIT Kanpur National Open House On Earthquake Engineering, 2008
- BENTLEY, “Sustaining Growth through Innovation in Infrastructure”, 2009, New Delhi.
- IBC Workshop on Robustness, Material and Design Issues, 2010, New Delhi
- MIDAS Workshop on Modeling and Analysis Aspects , 2011 , New Delhi
- Lean Green Six Sigma Project ,2016 ,Gurgaon

CONTACT

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Languages Known: English, Hindi

Family Status: Married