

CURRICULUM VITAE

Sunil Horaginamani
Lead Structural Engineer

OBJECTIVE

A hard working disciplined professional, seeking an opportunity as Lead Civil & Structural Engineer in the field of Oil & Gas. I endeavor to put my best in the job assigned to me by utilizing previous experience, lesson learnt & knowledge. Contribute for the organization's benefits & objectives.

ACADEMIC QUALIFICATION

B.E (Civil Engineering), - 1999 - Affiliated to Karnataka University Dharwad.
M.Tech (Structural Engineering), - 2003 - Affiliated to VTU Belgaum Karnataka.

KEY SKILLS

- ❖ STRUCTURAL ANALYSIS & DESIGN
- ❖ STRUCTURAL INTEGRITY ANALYSIS
- ❖ MAN HOUR ESTIMATION
- ❖ PLANNING & SCHEDULING
- ❖ DESIGN CHANGE MANAGEMENT
- ❖ COST ESTIMATION & BOQ
- ❖ BIDDING / PROPOSALS / TECHNICAL BID EVALUATION

SOFTWARE PROFICIENCY

- ❖ SACS (Offshore - Fixed Well Head Jacket Design)
- ❖ STAAD PRO (Onshore Structure Design)
- ❖ GT-STRUDL
- ❖ MATHCAD / MATLAB
- ❖ STRAP
- ❖ FOUNDATION 3D & MAT3D

EXPERIENCE (19+ Years of Offshore / Onshore Structural Engineering Experience)

Offshore structural engineering, involved in lift / load out / transportation, in-place and seismic analysis using SACS software, preparation of enquiry requisition, technical bid evaluation, construction support & co-ordination.

Onshore Structural Engineering, experience in analysis & design of structures related to oil & gas, petrochemical, refinery, and material handling for industrial projects. Analysis & design of modular structures, technological structures, foundations (Shallow & Deep Foundation) etc. Preparation of enquiry requisition, technical bid evaluation, construction support & co-ordination.

AREAS OF COMPETENCE/ EXPERIENCE

- ❖ Offshore / Onshore /Marine Structural Engineering
- ❖ Refinery
- ❖ Plant Design Engineering
- ❖ Industrial structures

CAREER PROFILE**CURRENT COMPANY: McDERMOTT, CHENNAI, INDIA****PROJECTS: 1 - Marjan, SAF-8 : Client - Saudi Aramco. 2-NFPS-I1P1 – QATAR GAS. 3-SANTOS – DORADO PROPOSAL**

Involved in pre-service (Lift, Transportation, Loadout) & In-service analysis & design of fixed wellhead platform.

Preparation of design calculation report, WCR, review of engineering drawing, man-hour estimation etc. Sub-sea bridge analysis & design, miscellaneous checks (skirt plate soil penetrability check, wave slam force calculation, deck plate design) etc.

I) GTL PEARL, SHELL, QATAR (THROUGH BLACK CAT ENGINEERING) – From April 2018 – January 2020**Lead. Structural Engineer**

PROJECT: Currently on Deputation to Shell, Qatar, working for Shell Brownfield Project (GTL Pearl Project).

Analysis & design of equipment support structure, platform, pipe-rack. Structural Integrity analysis for the existing steel structures.

Lifting analysis, Jetty & Wharf Structure, Breakwater. Calculation report, ITB Package & Technical Bid Evaluation.

II) BET CONSULTANTS PVT. LTD. BANGALORE, INDIA - From May 2016 – April 2018**Discipline Manager – Structural Engineering**

Projects: Blast resistant structure – ORPIC, Oman,
Industrial steel shelter for Qualipack- Bangalore, India
Coal storage shelter for Cargil – Davangere, India

Business development, Preparation of Engineering & construction execution strategies, Man-hour estimation, recruitment of structural engineers & drafting personnel. Liaising with clients, construction co-ordination, preparation of schedule. Engineering analysis & design, review of engineering report & drawings. Preparation of inquiry requisition & technical bid evaluation.

III) PETRONAS GTS, T&E, KUALA LUMPUR, MALAYSIA

From June 16th 2014– April 2016

Designation : Sr. Structural Engineer (PMC – RAPID PROJECT – Johor Bahru, Malaysia)

Job-1: Engineering analysis and design of Derrick Flare Structure, Cooling Tower, Jetty and Breakwater for PGB Export Terminal facilities, Kerteh. Involved in site inspection and development of scope of work for Civil & Structural engineering execution.

Job-2: Structural integrity assessment for the Derrick Flare Structure & Vibrating Equipment Supporting Structure. Preliminary study for the strengthening / modification of existing buildings to withstand the blast forces in the PPMSB facilities, Malacca.

Job-3: Civil & Structural Assessment on PCMTBE underground pipelines and pipe-rack structure at ECER road upgrading project.

Job-4: Asset Life Study for the PGB GPPB facilities, which includes data gathering, site inspection, item categorization for the repair / strengthening and preparation of detail report.

Job-5: Currently working on Structural Integrity Management system for SKO PCSB, which includes data gathering, asset conditional assessment and categorization of asset criticality and risk assessment for the asset repair/strengthening, to determine the interval of inspection and development of the database.

Job-6: Analysis and design of foundation for the new 18” Trunnion support (Brown Field) at PCOGD Paka, which includes site inspection and data gathering, inter discipline co-ordination, analysis & design of foundation, review of foundation drawing and preparation of detailed report.

Job-7: Development of PTS for the structural steel and GRP grating for onshore and offshore facilities.

Job-8: Analysis & design of fixed well head platform modification for pre-service & in-service condition.

Job-9: PMC focal point - Solid Project Jetty for RAPID Project Johor Bahru, Malaysia, involved in preparation of ITB, construction scope of work, project co-ordination with contractor, Technical Bid Evaluation, 3D model Review, engineering etc.

IV) SAIPEM INDIA PROJECTS, CHENNAI

From August 1st 2012 – 16th June 2014

Designation : Sr. Offshore Structural Engineer

Projects : 1. SK-316, Client – PETRONAS CARIGALI SDN BHD

2. C-26 Cluster and B-173A-B, Fixed Well Head Platform Project - ONGC

Involved in pre-service analysis of fixed well head offshore platform. Currently working on Lift / Loadout / Transportation / On-Bottom Stability analysis & Mud-mat design for the installation of Jacket at un-piled & partially piled condition. In-service analysis such as Seismic and In-place analysis of Jacket. Review of engineering drawings.

V) PETROFAC INTERNATIONAL- SHAJAH, UAE

From June 2009 – July 2012

Designation : Sr. structural Engineer

Offshore Structure Training / Offshore Proposals

Attended comprehensive training on analysis, design of fixed offshore platforms using working stress method (API RP-2A). Including the following:

- In-place analysis of Jacket, Deck, and appurtenances like boat landing, conductor/riser protector structure, etc.
- Pre-service analyses like load-out, lift and transportation analysis for deck (including Process Platform Deck).
- Analysis & Design of helideck as per CAP 437.
- Seismic analysis of Jacket & Deck.

Projects: 1. Kauther Depletion Compressor, PDO – SHELL JOB, Oman
2. SRDC Proposal, PDO-SHELL, Oman

Analysis & design of table top compressor foundation, pipe rack, static equipment supporting structures, foundations etc. Review of engineering drawings & design calculation done by other structural engineers.

Preparation of inquiry requisition, Co-ordination with upstream disciplines, site co-ordination, site visit to understand the plant layout & co-ordination with client. Preparation of Civil & Structural project folder to maintain all the deliverables.

Proposal engineering for tendering jobs involving man-hour estimation, material take off etc.

VI) JGC Gulf International, Alkhobar, Saudi Arabia.

From June 2008 – June 2009

Designation : Structural Engineer

PROJECT: BAAPCO – BAGRU - Bahrain

Analysis & design of pipe rack, static equipment supporting structures (RCC & Steel Structures), review of engineering drawing & calculation report. Preparation of inquiry requisition & technical memorandum. Co-ordination with other discipline.

VII) SAMSUNG ENGG. INDIA PVT LTD , New Delhi.

October 2006 - June 2008

Designation: Asst. Manager

Project: 1. NHT CCR (WEST INDIES)

Involved in analysis & design of pipe rack, equipment supporting structures & foundation for horizontal exchanger, vertical vessel, drum, reactor & pipe racks.

VIII) TECHNIP KTI LTD, New Delhi.

From Nov 2005 - 21 Sept 2006

Sr. Structural Engineer

Projects: 1. ETHYLEN PLANT (RAS LAFFAN OLEFIN COMPANY, QATAR)

Involved in analysis & design of compressor shelter, pipe rack, pipe supports & platforms. Analysis & design of equipment foundations using foundation 3D & Mat 3D. Preparation of calculation report & review of engineering drawings.

IX) QUALITY ENGINEERING & SOFTWARE TECHNOLOGY, BANGALORE

From Sept 2004 - Nov 2005

Designation: Sr. Structural Engineer -

Projects: 1. TANGGUH – GENP 2. SLUG CATCHER - ROSETTI MARINO GAS DEVELOPMENT PROJECT)
3. HAWIYAH – GENP 4. MEGTEC

Involved in analysis & design of gas turbine duct supporting structure, structural steel pipe racks, foundations for different primary loads and different load combinations as per UBC. Finite Element analysis of stack and epsilon chemical unit structures.

Preparation of structural design calculation report.

X) MECON LTD

Dec -1999 to July - 2004

Structural Engineer - Civil / Structural

Projects: 1. INDIAN OIL CORPORATION (IOCL Depots & Retail Outlets) 2. INDAL

Worked as structural engineer for IOCL projects. Involved in detailed analysis & design of industrial structure as space frame using STAAD Software. Preparation of foundation load data, load combinations. Stability analysis & design of foundation, preparation of calculation report. Review of design drawings.

Worked as structural engineer for IOCL retail outlets, involved in detailed analysis, which includes analysis & design of under driveway tanks, sales buildings, and structural steel canopy, pump island, mat foundation for tank support etc.

Finite Element Modeling of liquid container tanks, stress analysis and design to determine the thickness of the tank for INDAL project.

FAMILIAR WITH BELOW MENTIONED CODES

API RP 2A, CAP437, IS: 456, IS-800, SP-16, IS: 1893, IS: 875, AISC – ASD/LRFD, ASCE-7, UBC-97, IBC 2002, ACI-318, BS-5950, BS-8110 etc.

EMPLOYMENT HISTORY

- ❖ May 2016 – April 2018: BET Consultants PVT. LTD.
- ❖ June 2014 – April 2016: Petronas GTS, Kuala Lumpur, Malaysia
- ❖ Aug 2012 – June 2014: Saipem India Projects
- ❖ Jun 2009 to July 2012: PETROFAC International Sharjah
- ❖ Jun-2008 to Jun 2009: JGC Gulf International, Saudi Arabia
- ❖ Oct-2006 to Jun-2008: SAMSUNG ENGG. INDIA PVT. LTD, New Delhi
- ❖ Nov-2005 to Sept 2006: Technip KT India Ltd. New Delhi
- ❖ Sept-2004 to Nov-2005: Quality Engineering & Software Technology. Bangalore
- ❖ Dec -1999 to Jul - 2004: Mecon Ltd, Bangalore

PERSONAL PROFILE

Name: Sunil Horaginamani
Date of Birth: 22nd July, 1977
Contact No: +91-9840833045
Mail ID: smh_sunil@yahoo.co.in
Languages: Kannada, English, Hindi
Time Required to Join: 45 days (Negotiable)
Marital Status: Married

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Sunil. Horaginamani