



HARI APPATHURAI

STRUCTURAL ENGINEER



ABOUT ME

Structural Engineer with 10+ years experience including Masters degree specializing in the design, implementation and management of complex development projects. Excellent command of standard engineering practices of oil, gas and subsea pipelines within harsh arctic climates.



Abu-Halifa, KUWAIT



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SKILLS

Staad.pro V8i



MAT3D



E-TABS



AutoCAD



ArchiCAD



MS Office



INTERESTS

- Running
Achieved PB: 1.54.51
in half marathon
- Swimming
- Yoga



WORK EXPERIENCE

Present
Aug 2016

Gulf SPIC *Kuwait*

- Completed civil engineering initiatives that included oil and gas pipeline engineering design, onshore projects for Kuwait Oil Company (KOC) and Kuwait Nation Petroleum Corporation (KNPC).
- Preparation of structural design calculations and detailing of major Concrete and Steel structures in-line with standards.
- Ensured the safe, cost-effective and timely completion of all projects to meet or exceed client expectations.
- Maintained excellent relationships and stayed in constant with all clients, which proved instrumental in generating additional project work.

Jul 2016
May 2015

Rogers Consultants *India*

- Gained proficiency in analysis, design & detailing of variety of institutional, commercial and residential projects.
- Collaborated with clients, designers, contractors and local/state agencies to resolve myriad of engineering and design issues.
- Provide expert analysis and designs for various retrofitting and rehabilitation projects.

Aug 2013
Jul 2012

SRS Engineers *India*

- Supervised the constructional activities and ensured adherence to design specifications (Quality Control).
- Managed cost control, material procurement for civil work and co-ordinating with contractors for non-stop work progress.
- Reported the progress of work and issues related to structural elements to the Project Manager.



EDUCATION

Jun 2015
Aug 2013

Master of Engineering in Structural Engineering (First Class) *Anna University, India*

- Completed 1 month internship as an Engineer in Training (EIT) with Axiset Engineering Firm during graduation.
- Presented papers in National Conference
- Participated in National Level Technical Symposium & Workshops

May 2012
Aug 2008

Bachelor of Technology in Civil Engineering (First Class) *Kalasalingam University, India*

- Involved in TCS Siruseri project for 3 months with L&T- ECC division during graduation.
- Completed training on Total station and data processing.



DETAIL ORGANISATIONAL EXPERIENCE

Associated with Gulf SPIC as Civil & Structural Design Engineer

Kuwait

Project details

1. Water Management at GC's - 09, 10, 20 & 22 in East Kuwait Area.
(Contract no: 17051666, Client: KOC, Kuwait)
2. Construction of Remote Header Manifolds & associated works in South & East Kuwait Areas.
(Contract no: 16052697, Client: KOC, Kuwait)
3. Clean Fuels Project, Engineering of new desalinated water line from shuaiba power plant to tie-in inside MAB refinery. (Contract no: CFP/MISC/0055/MAB, Client: KNPC, Kuwait)
4. Installation of new gas pipelines & replacement/ re-routing of existing gas pipe lines at Burgan SEK.
(Contract no: 140050819, Client: KOC, Kuwait)

Role Description

- Review of project specifications/ contract documents/ drawings/ vendor GA.
- Preparation of design documents and detail drawing of Steel and RCC structures.
- Design of RCC structures like Substation buildings, Control buildings, Equipment foundations, Pits, Anchor blocks, Box culverts, Thrust blocks, Pig launcher/ receiver foundations & Tank foundations.
- Design of steel structures like Shed type structures, Pipe racks, Access platforms, Pipe supports.
- Conversant with international & company standards like ACI, AISC, ASCE, BS, IS, KNPC & KOC.
- Ensuring all providing design deliverables are in-line with project specification and international standards.
- Review of Structural/ Concrete drawings, Connection/ Fabrication drawings.
- Conversant in reviewing the 3D structural Modeling software's like SP3D/PDMS/Naviswork.
- Interdisciplinary co-ordination, participation in vendor/PMC/ client meeting for acute & superior system design.
- Engineering support to the implementation of the projects for the modification, optimization of system.

Associated with Rogers Consultants as Structural Engineer

India

Project details

1. Proposed Industrial Structures for Brakes India Limited, Chennai.

Role Description

- Analysis and prepare detail engineering design calculation of Shed buildings/ Machine supporting structures.
- Review of architectural/ structural drawings based on plan, sections and views.
- Modeling the whole structure and computing the loads using STAAD software.
- Analysis the whole structure for Various Load Combinations (Limit state of Collapse and Serviceability).
- Study the behaviour of the Whole structure for various loads.
- Co-ordination with site people and supporting for construction activities by providing technical clearance.

Associated with SRS Engineers as Field Engineer

India

Project details

1. Construction of Residential Quarters for NLC Tamilnadu Power Limited, Tuticorin.
2. Construction of Sub Structures for M/s Greenstar Fertilizers Limited, Tuticorin.

Role Description

- Studying the work plan submitted by the contractor and suggests any any modification.
- To watch and inspect the construction work and assure that it is done in full accordance with the drawings, technical specifications and bill of quantities.
- General and technical site supervision of civil works at industrial/ residential areas including foundations and associated works.
- Direct construction, operations and maintenance activities at project site.
- Preparation of BOQ and management of materials and workmanship.
- Ensure that all the works meets the stipulated quality standards.
- Co-ordinate & monitor progress of civil contractors as per schedule agreed for smooth flow of work.