

ARPIT A. PARIKH

RESUME

PERMANENT ADDRESS:

ARPIT A. PARIKH (Ph.D Pursueing)
MIGS LM 1984 , MISET -1740, DFI USA Reviewer

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QUALIFICATIONS:

B.E. (Civil) with first class from M.S.University in Year 2000.

M. E. (Civil / Soil Mechanics and Foundation Engg./Substructure Engg.) with first Class from M.S. University in year 2001.

Currently involved in Doctoral Studies in SVNIT Surat Gujarat India for **Offshore Structures/Foundations** (Focus Area: Jack Up/Spud can). (Under Ministry of Human Resources & Development, Govt. of India - 3.5 lacs/ Annum Stipend Basis) under Dr. S.R. Gandhi, Professor (Geotech. + Offshore Engg. IIT Chennai, India)

PROFESSIONAL EXPERIENCE (Total :17 Years)

12/2016 - Recently Completed Detailed Geotechnical Investigation Project for 750 MW Combined Cycle Power Plant Project (CCPP) in Dhaka, Bangladesh., as Independent Consultant for **Reliance Power (DAKC)** Mumbai with Associate Company SKP Projects Pvt Ltd. At this particular Site, Report has been finalized in coordination with **Toshiba Corporation Japan** As well as **Reliance Power**. The Particular report includes all geotechnical aspects of design of foundations for power plant structures, Pile design capacities, Liquefaction Assessment/ Seismic Studies along with software **Geologismiki** as well as Excel based spreadsheet calculation.

From 7/2010 to 6/2014, As Assistant Professor with Parul Institute of Engg. & Technology. (GTU) Teaching in areas of Structural Engg. As well as Geotechnical Design Engg. Teaching subjects alike Earthquake Engg., Foundation Dynamics, Vibrations & Machine Foundation, and Structural Analyses in UG as well as PG level. Guided 4 Students for Their Dissertation in Master of Engg.(Structures.) Also Instrumental in Driving & Upgrading Syllabus of Advance Geotech. Engg. (Offshore Structures –M.E. (Sem-III).

CHIYODA CORPORATION., JAPAN. (Civil/Structure/Geotechnical –EPC).

- ❖ From March 2007 to March 2010, Assisting to Group leader in Civil, Structure & Geotechnical design discipline in Chiyoda Corporation Japan. Responsibilities includes design of Equipment foundations alike Vessel Platform (Hot & Cold Service), Dynamic Analysis of compressor foundation on STAAD. Pipe Sleeper (Foundation Base and Structure type) Industrial Pipe rack, Heater Foundation, Quantity MTO & coordination with other departments. Assisting them in derivation of Geotechnical design parameters for design of foundations. Looking independently all geotechnical aspects of design Engineering.

MUKAND ENGINEERING LTD., INDIA. (For Reliance Petroleum Ltd. Jamnagar., Gujarat)

As Assistant Manager for EPC Project At Aromatics Plant, Jamnagar Export Refinery, Reliance Petroleum Ltd, with **Bechtel UK. as** Consultants from October 2006 to March 2007 for Aromatics Unit which includes CCR , Piperacks , Equipment Structures & Vessel Foundations.

FUGRO INDIA LTD., H.O. Netherland (OIL & GAS)

- ❖ Worked as **Geotechnical Design Engineer** in **Fugro Ltd.** Job responsibility includes deriving Recommendations for Foundations of heavy structures. Bearing Capacity Determinations etc. Job responsibility includes the complete ground investigation in land & marine environment, depending on site conditions. The boring & drilling operations, liasoning with the clients, preparation of bills & BOQ for the vendors, Submission of RA bills to the client. Land & Marine Positioning for the borehole locations with Total Station & DGPS System. Preparations of soil investigation report & laboratory testing. To derive a recommendations for the different kind of foundations & their respective settlement. These all computation based on BS 8004 and I.S. 6403. Preparation of proposal & bidding of tenders for different govt. or pvt. sector companies. Manpower Control, Handling of offshore and onshore site., from October 2003 to June 2006. Tendering, Assisting in finalization of rates etc .

SKANSKA CEMENTATION INDIA LTD.

- ❖ Worked as Geotechnical Engineer for **Skanska Cementation India Ltd.,** (Formerly **Kvaerner Oil & Gas Norway - Specialist Engg. Division**) Mumbai for their Land Piling Construction site at Chennai. (Using DMC/RMC& Chisel Bailer method, Design of Sheet Pile walls, Diaphragm walls, Ground Improvement Techniques alike Stone Column Design as well as PVD depending on soil type.) Job activities include resource scheduling and management of site activities. Pre stressed rock anchors for initial & routine pile load test. From **May 2002 to Oct. 2003**

SHAH & TALATI

- ❖ Worked as a Design Engineer with **SHAH & TALATI Consulting Engineers,** June 2001 to May 2002, **design** of various structure and foundations like Circuit Breaker Foundation, Transformer Foundations.

DETAILED DESCRIPTION OF JOB

QPGGTL –EPC JOB.(Ras Gas Corporation, Qattar)

- ❖ Working in areas of Vessel Platform (Hot & Cold Service), Pipe Sleeper (Foundation Base and Structure type) Industrial Pipe rack –Heater Foundation, Vessel Platform quantity MTO for QPGGTL Project and coordination with other departments like piping for loading data, and deriving design basis recommendations. Making support for site modifications – field requests. Detail engineering dynamic analysis works for various equipment foundations like Compressor foundation, Pump Foundations, Geotechnical design of foundations etc.

PNGLNG for EXXON MOBILE (Esso Highlands. Exxon Corporation.)

- ❖ Front End Engineering and Design Based on design specification for LNG Plant. Site Preparation works, Cutting and Filling Volume Computation works. Making Design Specification for Civil & Structure based on various codes like ASCE, UBC, and Euro code 7 & 8. BS 5950. BS 8004. BS 6031. Conceptual Development for Basic Engg. Drawing for Compressor Foundations, Pipe Sleepers, Pipe Stanchions, Compressor Shelters, Pipe racks, Air Fin Coolers, Equipment Structures / Foundations and Pump Foundations.

FLNG for SHELL GSI.(Shell USA).

Involved in Initial development phase of layout development.

IGL (Ichchtyas Gas Ltd.) For Inpex Browse ltd. Australia.

FEED works.-Development of Topsides steel Modular Structures. General arrangement drawings. Steel Structure. Etc. Analysis of same on STAAD software.

As a Design Engineer with Fugro Ltd., Mumbai from 10/2003 to 6/2006.

As per International Practice with BS code worked for different projects , independently.

- 1) As In charge for the design & Interpretation of Offshore soil investigation Project for the Gujarat Adani Petronet Ltd. Dahej. Quality Control and Marine Foundation Design Assessment.
- 2.) As In charge of design & Interpretation of land based geotechnical investigation project at FRFCF site. Kalpkam, for IGCAR., Chennai, India.

- 3.) As Incharge of MSRDC Geotechnical Investigation Project includes all design, interpretation, And analysis of Report.

❖ As a Design **Engineer** with **SHAH & TALATI Consulting Engineers**, Vadodara.

As **Civil/Structure** Design Engineer for Power Substation Structures. Like Industrial Steel Structures, Transformer foundations,. Circuit Breaker Foundations. Equipment Foundations.

- 1.) 440 KV Substation for PGCIL / ABB at Hiriyur, Banglore including all Civil & Structural Works.

Software's Skills:

Plaxis 3D, Micro Station, Geostudio 2007, All Bentley Products (gINT software, STAAD pro/ STAAD foundation/ STAAD Offshore, SACS Connect Edition), (All for Fixed Facilities), PDMS, SPR.Jnavis. Integraph3D, DGPS Lyka systems. ABAQUS 6.0, ANSYS 18.0 (For Offshore/Onshore Structures/Foundations using Computational Fluid dynamics- CFD), GRLWEAP, High strain &, Low strain pile testing, PDA Analyzers, Artemis Modal Pro –Vibration analysis, Oasys Geotechnical Suite, FLAC 7.0, Geo5 etc., SAP 2000

Hands on Experience of International Codes:

DNV GL, ASCE, AISC, ACI, BS, IS, Euro Code, SNAME, ISO, ASTM, API, PIANC, NAVFAC, BNBC, DIN (German), Japanese Standard (2014 Onwards) Etc.

Hands on Experience of:

Well versed with training in Marine Geometry design (Offshore Structures) as per international maritime organization including EHS part. This is Equivalent to **MRINA**- (Member of Royal Institute of Naval Architecture). This Experience is exclusive requirement of **Bottom Founded Structures** alike FSRU & FLNG (Next Generation Structures for Oil & Gas Industries) as per Many European Licensor Companies like **British Petroleum. U.K.** and **ABS** (American Bureau of Shipping). Also having good experience of design of compressor foubdations (Shell Eastern Petroleum Corporation, Singapore).