

Curriculum Vitae Sr. Geotechnical Engineer (Design)

(12 Year Exp. India & Oversea)



KANHAIYA MEGHWAL

Sr. Geotechnical Engineer (Design)

Chartered Engineer (India), MIE, MIGS, MISSMGE

313 Jawi, Neemuch (M.P.) 458441, India

Contact: +91-98186-05696

Email: kanhaiya.meghwal@gmail.com

CAREER SUMMARY

Geotechnical professional with 12 year of experience in India and overseas for civil engineering projects. Expertise in proposals, planning, designing and execution of geotechnical and geophysical investigations, ground improvement design and QA & QC related to Geotechnical works. Excellent report writing skills with the ability to self-check and produce accurate work (Geotechnical factual, interpretative and design reports). Understanding and working with soil and rock, underground water, site, and structural conditions, in relation to design and build project. Administering the Geotechnical Investigation Program and interpreting the Soil Investigation Data entailing CPT, SPT, PLT, FWD Test etc. Develops designs, including concepts, coordination, design documentation and contract administration on projects, while working as part of the project team. Meeting cost and time targets to deliver high quality works for projects. Managing production of technical design documentation. Developing and maintaining internal and external client relationships. To support interface with consultants, site team and co-ordinate with client on geotechnical aspects. Knowledge in computer software pertaining to geotechnical design and analysis such as GGU settle, All Pile, Rock Lab, Plaxis, Slope/W, Settle3D etc. Knowledge of standard practice such as QCS, IS, BS, ISO, Euro code etc.

EDUCATION

- M.Tech. (Geotechnical Engineering) from Maulana Azad National Institute of Technology (MANIT), Bhopal, India (2009)
- B.E. (Civil Engineering) from Samrat Ashok Technological institute, Vidisha India (2007)

CERTIFICATIONS & PROFESSIONAL MEMBERSHIP

- Chartered Engineer (India), Institution of Engineers India (IEI).
- Member, Institution of Engineers India.
- Member international society of soil mechanics and geotechnical engineering (ISSMGE)
- Member Indian Geotechnical society (IGS), India.
- Registered Civil Engineer, M.P. State Town & Country planning.

PROFESSIONAL EXPERIENCE

- Worked with Consulting Engineers Group (CEGTH), as Deputy General Manager business development (Geotechnical), at Jaipur, India (From Oct. 2019 to Feb 2020)
- Worked with Fugro Middle East as Sr. Geotechnical Engineer, at Doha, Qatar (From Oct. 2018 to June 2019)

- Worked with Daewoo Engineering & Construction Company, at Doha, Qatar as Design Geotechnical Engineer at Doha, Qatar
(From Sep. 2014 to Oct. 2018)
- Worked with KELLER Ground Engineering, India, and New Delhi.
(From May 2012 to August 2014)
- Worked in TATA Consulting engineers limited, Jamshedpur as a Design engineer Civil/ Geotechnical in Jamshedpur.
(From April 2010 to May 2012)
- Worked in RKDF College of Engineering– Lecture Civil
(From August 2009 to March 2010)

DETAILED PROFESSIONAL EXPERIENCE

CEGTH, Jaipur, India

(October 2019 to Feb 2020 – Deputy General Manager (Geotechnical))



Key Projects –

Oil and Gas

- HPCL Rajasthan refinery project, Barmer, Rajasthan, India
- EPCC-02 package, PFCC gasoline hydro treating unit.

Responsibilities

- Planning Geotechnical & Geophysical investigations and review of reports
- Site characterization and site response studies- Geophysical methods (MASW).
- Evaluates foundation bearing capacity and settlements for shallow foundations
- Liquefaction analysis and recommendation for ground improvement.
- Techno commercial bid reviews /analysis and recommendation
- Technical commercial proposal and support to business development team
- Civil Foundations works

Fugro, Doha, Qatar

(October 2018 to June 2019 – Geotechnical Engineer (Engineer-III))



Key Projects –

Oil and Gas

- FEED for LNG terminal North Field Expansion Project Onshore Facilities, Qatar Gas
- FEED for Multi storage fuel depots, Worley parsons, Qatar Petroleum, Doha
- FEED for optimization of wastewater treatment plant, Halul island, Qatar Petroleum, Doha
- FEED for CO2 Water Alternating Gas (WAG) Injection Pilot Project at Dukhan, Qatar Petroleum.

Responsibilities

- Planning Geotechnical & Geophysical investigations and writing reports (Factual, Interpretative & design as per Euro code 7).
- Site characterization and site response studies- Geophysical methods (MASW).
- Geotechnical design – Embankment slope stability and earthworks design.
- Evaluates foundation bearing capacity and settlements for shallow foundations

- Liquefaction analysis and recommendation for ground improvement.
- Techno commercial bid reviews /analysis and recommendation
- Technical commercial proposal and support to business development team
- Earthwork quality check and report writing

Daewoo Engineering & Construction Company limited, Doha, Qatar

(September 2014 to October 2018 –Geotechnical Engineer in Design Team)



Key Projects –

- Qatar Petroleum Pipe protection works Geotechnical Investigations and Foundations works.
- E-Ring Road Project(P008-C2)
Public Work Authority, Expressway projects, Doha, Qatar
(The project consists of extending existing highway and new construction 8 to14 lanes in both direction 3 bridges, 15 underpasses, 3km Micro tunnel for storm water drainage)
- New Orbital Highway & Truck Route Project (NOH-C4)
(The project consists of 47km of road network and 5 interchanges. The main road consists of 10 lanes (5 lanes in each direction) with additional 2 lanes for future widening. 4 separate truck routes (2 lanes in each direction, 7 bridges, 12 underpasses)

Responsibilities

- Design coordination for preliminary stage to detailed design phase.
- Carrying out Geotechnical desktop studies, walkover surveys, planning of Geotechnical & Geophysical investigations.
- Preparation of specification, selection of vendor, Design coordination, monitoring the Geotechnical works progress and reports as per design priority.
- Scheduling laboratory tests, checking Contractor's reports, interpreting, and analyzing
- Supervising, logging, interpretation of investigation data, derivation of design parameters and production of Ground Investigation Reports.
- Checking and review of recommended geotechnical design parameters
- Geotechnical design – slope stability and earthworks design
- Design and analysis of Shallow and deep foundations systems.
- Geotechnical testing such as static and dynamic pile load tests, O-cell tests etc.
- Prepared and checks bearing capacity calculations for deep foundations, rock socket length, board cast-in-situ piles.
- Support to structure team, review of construction method statements related to geotechnical works such as Geotechnical investigations, Pile load tests, Grouting, ground improvements etc.
- Production of technical assessments report for deep excavation and ground improvement works and necessary rock support measures.
- Temporary works design for Tunnel access shaft, deep excavation
- Design coordination for Micro tunnel design (3m diameter tunnel, depth 25m and total length 3km)
- Instrumentation and monitoring for deep excavation (inclinometers, piezometers, extensometer etc.)
- Dewatering planning, design and develop dewatering scheme. Deep wells systems.
- Was in charge for MSE Wall design coordination and shop drawings review. Liaise up with all design consultant and contractor, arranging technical meetings, value engineering analysis, and provides technical support to the engineering and construction team.
- Well versed with total quality management, industry practice, engineering standards and design criteria pertinent to the Geotechnical engineering discipline such Indian standards, BS, Qatar Construction specification (QCS2014), Euro Code & DIN.

KELLER GROUND ENGINEERING PVT LTD.

(May 2012 to August 2014: Geotechnical Engineer-Design)



Key Projects –

Oil and Gas

- Petro net LNG limited, LNG storage plant at Dahej, Gujrat, India
- Bored cast-in -situ pile ONGC Petro addition limited, Dahej, Gujarat
- LNG project, Mundra, Gujarat State petroleum corporations limited
- Ground improvement for oil storage Tanks, Gulf Petrochem (I) Pvt. Ltd, Pipavav, Gujarat - Vijay tank and vessels.

Infrastructure

- Mukundpur & Azadpur Ramp, Phase-III, Delhi Metro Rail Corporation (DMRC), India- CEC
- Design & construction of tunnel by shield TBM, tunnels, stations, and ramp by cut & cover method between Lajpat Nagar and Hazrat Nizamuddin station for underground works on Mukundpur - Yamuna Vihar corridor of Delhi MRTS project. - Arvind Techo Pvt. Ltd
- Design & construction of main viaduct, Ramp on both sides on Mukundpur-Yamuna Vihar corridor (Line-7) of Phase-III, Delhi MRTS contact No -CC-14- Jayakumar Pvt. Ltd
- Ground improvement for the proposed road over bridge & grade separator, MSE wall on Nation highway No 30, Patna Bakhtiyar section, Bihar- BSCPL Infrastructure Limited

Water

- Confirmatory Geotechnical Investigations and ground improvement for 1.5 MGD, Sewage treatment plant (Phase-II), Rajghat, Delhi Jal Board- Degremont Limited
- Confirmatory Geotechnical Investigations and ground improvement for 20 MGD, Sewage treatment plant, Nilothi, Delhi Jal Board- Veolia water India Pvt. Ltd.
- Confirmatory Geotechnical Investigations for 220 MLD Water treatment plant, Patna – Geo Miller & Co Private Limited

Responsibilities

- Ground investigation - scoping, specifying, supervising, logging, interpretation, derivation of design parameters and production of Ground Investigation Reports
- Meeting with contractor, client, supplier regarding geotechnical Issue & techno-commercial negotiations.
- Develop proposal and determine cost and schedule for confirmatory Geotechnical investigations during design stage.
- Review of Geotechnical investigations and recommendation of ground improvement technique.
- Interpretation of site response studies, Soil-structure-interaction analysis and liquefaction mitigation.
- Review techno commercial vendor offers, earth work, design and analysis pertaining to piles, shallow foundations, and slope stability.
- Providing technical solution to the client, optimization of foundation.
- Checking of design of foundation, tank foundation, stone column,
- Soil anchor, deep foundation.
- Technical assessments, designs, drawings, and reports for ground improvement works.
- Implementing the company's quality assurance procedures, Reviewing, and ensuring all contract documents that pertain to the quality aspects of the work to be performed under the contract

TATA CONSULTING ENGINEERS LIMITED

(Apr. 2010 to May 2012 Geotechnical Engineer-Civil)



TATA CONSULTING ENGINEERS LIMITED

Key Projects –

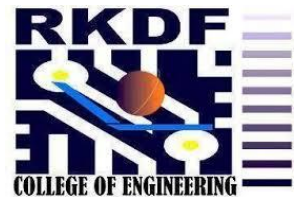
- Geotechnical investigations for Tata Steel Mines, Joda East, Orissa.
- Geotechnical investigations for Tata Pigment Plant, Jamshedpur.
- Geotechnical investigations for Khanbond Mines, Tata Steel Mines, Orissa.

Responsibilities

- Planning and development of Geotechnical programmes for projects
- Review and checking of geotechnical report and foundation recommendation.
- Analysis and design of shallow and deep foundation
- Ground investigation - scoping, specifying, supervising, logging, interpretation of GI data, derivation of design parameters and production of Ground Investigation Reports.
- Analysis of test results evaluate bearing capacity, settlement, and optimise design for foundation

RKDF COLLEGE OF ENGINEERING, BHOPAL

(Aug. 2009 to March 2010 Lecturer-Civil)



Responsibilities

- ☞ Teaching Basic Civil Engineering to undergraduate students.
- ☞ Lecture planning, preparation, and research.
- ☞ Checking and assessing students' work.
- ☞ Encouraging personal development via tutorial or pastoral work.
- ☞ Invigilating examinations.
- ☞ Attending staff meetings

KEY ACHIEVEMENTS

- Received Awarded (Best Employee Award and HSE Award in Daewoo E & C in 2016
- Identified a problem and resolved it. Come up with new a new idea that improved things
- Actively contributed on team projects
- Managed the Geotechnical design and filed work for design build projects in India and abroad.

TRAININGS

- Deep excavation training for Tunnel and foundation works, Daewoo E &C, Qatar
- Field Engineers Working in Transportation and Geotechnical field at Nation Institute of Technology, Bhopal (M.P.) India
- Young Engineers Development Program” at Tata Consulting Engineers, Mumbai
- Design of Highways and Pavement at Indian Institute of Technology, Kharagpur
- Deep Foundation Technique at Keller Academy, Mumbai

- Ground improvement techniques for difficult ground conditions Institution of Engineer, local chapter, IIT, Roorkee

CONFERENCE / WORKSHOP

- Attended International conference on Geotechnics for High Speed corridor, Trivandrum, Kerala
- Actively participated in Indian Geotechnical society, Indore Chapter (2009)
- Actively participated in Indian Geotechnical Conference 2014, IIT Roorkee
- Actively participated in Indian Geotechnical Conference 2013, IIT Delhi
- Attended International Workshop on Seismic Requalification of Geotechnical Structures (SRGS) at IIT, Delhi 2013
- Actively participated in an Indian Geotechnical Conference 2014, IIT Roorkee

PERSONAL DETAILS

- Date of Birth: 27th July 1986
- Languages Known: Hindi, English.
- Marital status -Married
- Children: 03

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

06-01-2021



KANHAIYA LAL MEGHWAL