

Sandip Ahilaji Kale
Geotechnical Engineer

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OBJECTIVE:

I am looking for good career growth opportunities where my talent and knowledge could be best subjected and utilized for the benefit of the organization and myself.

WORK EXPERIENCE:

- **Geotechnical Engineer**, at **Tata Consulting Services, Ahemadabad** since December 2021 to present.
- **Geotechnical Engineer**, at **Vatsalya Consulting Services, Aurangabad** since November 2020 to November 2021.

PROFESSIONAL SUMMARY:

- **Project management consultancy** work.
- Preparation of detailed **Geotechnical investigation report** as per Indian standards.
- Estimation of **Safe Bearing Capacity and Settlement analysis** of shallow foundation from various field tests like **standard penetration tests, Plate load tests** and from shear strength parameters, rock mass rating.
- Designed pile foundation for **axial, uplift and lateral capacities** for buildings.
- Performed **pile load tests** (vertical, lateral and uplift pile load test).
- Performed field tests like **pile integrity (CHSL), plate load test, earth resistivity test and energy transfer ratio test.**
- Lab testing, analysis and interpretation of lab test results.

PROJECTS HANDLED:

- PMC work for NHSRCL's Mumbai to Ahmedabad high speed rail project as Geotechnical Consultant.
- Cyclic pile load test of through reaction pile method at Ahmedabad (March 2022).
- Bi-directional static load test on test pile at Vadodara (March 2022).
- Cross hole sonic logging pile integrity test on test pile at Ahmedabad (Feb 2022).
- Geotechnical investigation reports, foundation recommendation reports, pile load test design and drawing reports, pile integrity test reports and initial and working pile load test reports reviewed for the NHSRCL bullet train project.
- Geotechnical Investigation and report writing for Construction of safari park, Aurangabad, Maharashtra (May-June 2021)
- Soil property evaluation for post investigation of failure of khandeshwar Dam, khandeshwar wadi, Osmanabad, Maharashtra. (Jan-2021)
- Geotechnical investigation and report writing for construction of three oxygen generation plants located at Hoshangabad (MP), Wada (MH), and Aurangabad (MH) by inox air products (Feb-June 2021) .
- Geotechnical investigation and report writing for constriction of Reliance Petrol Pump. (Total 11 projects were completed in Dec to July 2021).
- Pile load testing for Ground Mounted solar panels at Wahegaon, Paithan (MH) (July 2021)

EDUCATIONAL QUALIFICATIONS:

- Master of Technology in Geotechnical Engineering Passed in October 2020 with C.G.P.A. 8.50, from College of Engineering, Pune.
- Bachelor of Technology in Civil Engineering Passed in May 2016 with C.G.P.A. 7.42 from Rajarambapu institute of technology, Sangli.

MAJOR PROJECT:**Model studies on plastic bag geocell and base geotextile reinforced flyash. (M. Tech)**

- To assess the improved strength parameters of reinforced fly ash bed.
- To use waste material to form geocell.
- To use plastic bag geocell and jute bag as geotextile to reinforce fly ash bed.

Experimental study on effect of silica fumes on rubber tyre aggregate concrete. (B. Tech)

- To determine compressive strength, flexural strength, tensile strength with varying percentage of silica-fume from 0% to 20% in rubber concrete.
- To compare cost of concrete in conventional and rubber tyre aggregate concrete.

TECHNICAL SKILLS:

- PMC work
- Foundation Design
- Laboratory Testing of Soil and rock
- Field Testing

SOFTWARE'S KNOWN:

- Geo5
- AutoCAD 2D

CO-CURRICULAR ACTIVITIES:

- Secured 3rd Rank in geotechnical engineering master's degree in college of engineering Pune.
- Attended 2-day's workshop on Midas GTSNX in College of Engineering, Pune.
- Actively participated in the lecture series conducted by IGS-Pune Chapter.

PERSONAL INFORMATION:

- Date of Birth : 2nd May 1994
- Sex : Male
- Nationality : Indian
- MaritalStatus : Unmarried
- Languages known : English, Marathi and Hindi

Declaration:

I hereby declare that all the information provided herein above is true to the best of my knowledge.

Sandip A. Kale

Place:

Date: