



GEO FRONTIERS

NABL Accredited Laboratory | ISO/IEC 17025:2017
& ISO 9001:2015 Certified



About Us

One of the leading firms in providing geo-technical consultancy services, we are a team of collaborative, dynamic and committed young professionals in an ethical pursuit of excellence in the geo-technical services domain. Geo Frontiers was established in March-2004 with a focused goal to provide comprehensive solutions specifically suited to every aspect of the client's requirements.

We firmly believe that as all soil investigation challenges are unique, so should be the solutions to those challenges; these unique and customized solutions are provided through thorough exploration of the client's requirements.

Also, we provide solutions for other civil engineering needs such as

topographical surveying with modern equipment and software, material testing including all type of building materials, highway materials etc.,

Our team comes fully equipped with experienced consultants and contractors who provide all the required support necessary for the design and execution of the projects, no matter what their scale.

We are confident that you will find yourself satisfied with the quality of our services. We would be happy to furnish our service in soil investigation and survey works for your prestigious infrastructure facilities in Karnataka, and throughout India.



Services Offered



Drilling / Boring by auger and rotary (calyx / hydraulic rig) in all types of soils and rocks.



Design and Construction of Cast in situ Concrete Pile Foundation, Soil Nailing and Ground Improvement



Topographical Surveys



Penetration test (spt, dcpt) field permeability test, block vibration test, resistivity test



Laboratory tests on rocks density, specific gravity, water absorption, porosity, crushing strength



Non Destructive tests of Concrete, Rebound Hammer, Ultrasonic Pulse Velocity testing and Profometer



Engineering properties - compaction, consolidation, permeability, CBR, direct shear test, UCC, triaxial test (UU,CU,CD)



Buildings / Highway Material Test, Cement Concrete mix design



Analysis and design of foundations, retaining walls, slopes, soil nailing, gabion walls evaluation and certification of geo-technical investigation design reports quality control and certification of geo-technical projects



Index Properties - Grain size analysis including Hydrometer Analysis, Atterberg's limits, Chemical Analysis



Geo Technical Explorations



Drilling / Boring by auger and rotary (calyx / hydraulic rig) in all types of soils and rocks.



Penetration tests (SPT, DCPT, SCPT)

In-situ density testing



Field permeability test



Block vibration test for dynamic soil properties



Electrical resistivity tests



Lab Tests - Soils



Grain Size Analysis including Hydrometer Test, Index Properties, Engineering Properties as per IS specifications



Construction Material Testing



Piling

Topographical Survey



Non destructive testing



Construction Materials Testing

Buidling Material Testing

Cement, fine aggregate (river sand and M. sand), coarse aggregate (Jelly), bricks (clay and cement), concrete cubes, tiles and water shall be tested for all engineering properties as per I.S. specifications.

We also undertake concrete **Mix Design** as per I.S. specifications.

Highway Material Testing

Bitumen, GSB. and sub-grade shall be tested for all engineering properties as per I.S. / MoRTH specifications.

We also undertake **Mix Design** as per MoRTH specifications.

Ground Improvements	Pile Foundations	Topographical Survey	Non-Destructive Testing
<ul style="list-style-type: none"> ÿ Stone columns ÿ Lime columns ÿ Sand drains <p>Injection Grouting</p> <ul style="list-style-type: none"> ÿ Grouting with cement suspension and chemical gels. ÿ Grouting for dams, tunnels, walls bridges etc. 	<p>Design and construct reinforced cement concrete, cast-in-situ piles as per the client's requirement and standard specifications (Diameter up-to 500mm).</p>	<p>Topographical land survey using total station instrument</p>	<ul style="list-style-type: none"> ÿ Compressive strength and internal integrity of concrete ÿ Surface strength of concrete ÿ Reinforcement details and cover



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