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*Your Ideal Geotechnical Partner  
for Sustainable Development!!*



**MRUDA**

**Geotech Consultants**

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**REG. ADD:**

C/806, Srushti Residency, Kalyan Road, Near Khambalpada,  
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**BRANCH OFFICE:**

9, Samrudhhi Park, Sadar Bazaar,  
Malvade chouk, Satara - 415001.

**GSTN: 27AHSPJ4756B1Z5**

**MRUDA GEOTECH CONSULTANTS** is a **Design and Consultancy Firm** in the field of **Geotechnical Engineering since 2018**, working **PAN India** and handling almost all types of Geotechnical issues of the construction industry, majorly offering services to Roads and Highways as a part Infrastructural Development. With the aim of providing "appropriate" geotechnical solutions for structures in civil engineering fraternity and to bring clarity about and importance of Geotechnical Engineering, it was started by **Er. Shubhada Jagtap**, who is the Proprietor and Consulting Engineer of **MRUDA Geotech Consultants**. Er. Shubhada has total **hands-on experience of 15+ years in the industry** of which for some period she worked as a Free-Lance Geotechnical Engineer. She is Life Member of **Indian Geotechnical Society (IGS)** and is actively participating in conferences and other relevant technical activities.

The core of Geotechnical Engineering is Subsurface Investigation and Foundation Design. **MRUDA Geotech Consultants** is very keen to focus on the core, as well as the applied fields like use of Geosynthetics for various Geotechnical problems, Retaining and slope stability solutions using various modern techniques like Reinforced earth wall/slope, Gabion walls etc. At many times, chosen site is not capable of taking expected load from the superstructure, for which various Ground Improvement techniques can be suggested. **MRUDA Geotech Consultants** can address such problems.

**MRUDA Geotech Consultants** is committed to provide **Geotechnical Consultancy and Design Aids** for **infrastructural growth and various Civil Engineering works** and aims for a **long-term expertise in Geotechnical services** for meeting high-end client's requirements.

### **-: SERVICES OFFERED :-**

- ✔ **Geotechnical (Soil) Investigation.**
- ✔ **Ground Improvement schemes- Proposal and Detailing.**
- ✔ **Reinforced Soil/Earth (RS/RE) Walls and Slopes.**
- ✔ **Slope Stability Analysis & Slope Protection Measures (Soil-Nailing).**
- ✔ **River Training Works and River bank/Canal Protection Solutions.**
- ✔ **Diaphragm Walls (Anchored) & Shoring (Enabling system).**
- ✔ **Field Tests and Reports.**
- ✔ **Technical Meetings & Site Visits.**
- ✔ **Instrumentation.**

## CLIENTS:



### Esteemed clients/ Independent Consultants worked with while in organization for various projects:

1. IRB Infrastructure Developers Ltd, Mumbai.
2. Ashoka Buildcon Ltd., Nashik.
3. CPWD, Bengaluru.
4. Stup Consultants Pvt. Ltd., Mumbai.
5. Aarvee Associates Architects Engineers & consultants Pvt. Ltd., Hyderabad.
6. VJTI College, Matunga, Mumbai.
7. Konark Infrastructures Ltd. / KDMC, Thane.
8. B & S Engineering Consultants Pvt. Ltd., Noida.
9. The Louis Berger Group Inc., USA.
10. Deepak Builders / Municipal Corporation Ludhiana (Punjab).
11. Madhucon Projects Ltd.
12. Halcrow Consulting India Ltd.

## LIST OF FEW HIGHLIGHTED PROJECTS

- Technical Proposal and detailing for **Ground Improvement** scheme for carrying out the construction of approach ramps to ROB and VUP in the state of Assam (**NHAI project**).
- Geotechnical Investigation Report** for each pier location of elevated Metro-4, includes design of pile capacity. (**MMRDA project**).  
**Feature: Geotechnical reports for total 120 pier locations.**
- Design and Drawing of **Reinforced Earth Walls** of 10.0m height - RCC Panel Facia with Geogrid reinforcement, for construction of approach ramps to ROB and VUP on NH in the state of Assam (**NHAI project**).
- Slope Stability Analysis and proposal of safe slope for existing slag dump at Odisha.**  
**Feature: Slope Stability Analysis of a slag dump of 30.0 m height.**
- Design and Drawing of **Reinforced Earth Wall** system - Modular Block as Facia with Geogrid reinforcement, for construction of approach ramps to **15 structures** including Flyovers, VUP & LVUP and SVUP in the state of Maharashtra (**NHAI project**).  
**Feature: Total volume of work - 1.0 lac sqm Facia Area.**
- Site Visit, Review of Geotechnical report and review comments and technical proposal for appropriate ground improvement scheme** with detailing for approach ramps to PUP in the state of West Bengal.  
**Feature: Ground Improvement scheme for Soft Clay (typical Kolkata soft soil).**
- Geotechnical Investigation with SBC and foundation recommendation** for proposed residential complex of 5 buildings of G+7 Storey, Satara, MH (consultancy service to Builder and Developer).
- Design and drawing detailing with BoQ for **Gabion wall** on river banks for protection including Global stability analysis, at PCMC, Pune, MH.
- Design of enabling system (shore piles) for 3 level basements with G+9 storey proposed construction at Santacruz, Mumbai.**  
**Feature: To support 12.0 m deep excavation below EGL.**
- Design of Anchors** for Diaphragm wall to enable deep excavation for **4 level basement structure** at Gurgaon.



Box NO:- 1/2





**Er. Shubhada Jagtap, Proprietor and Consulting Engineer of MRUDA Geotech Consultants** is working in Geotechnical field since

2002. A civil Engineering graduate from Mumbai University, she was highly fascinated by the subjects - Soil Mechanics and Foundation Engineering and had decided to earn experience in the same field.

- After graduation she worked with a small Geotechnical consultancy firm.
- Later she joined her own college - Datta Meghe COE, Airoli, Navi Mumbai as a Lecturer where she used to teach second- and third-year Civil Engineering students.

While teaching, she studied for GATE exam and cleared it and went for pursuing full time Master's Degree in Geotechnical Engineering at The Maharaja Sayajirao University of Baroda, Gujarat.

- She then got placed through campus in an MNC working in the applied field of Geotechnics. In her career of 15+ years in the Geotechnical industry experience, she started with the Design Engineer's post and worked as a Sr Manager (Design), which was her last designation as an employee.

- From 2011 onwards, she started working as a Free-Lance Geotechnical Engineer wherein she has worked for & with various clients on a variety of projects like Geotechnical investigation reports, pile load test reports, Diaphragm wall design, Gabion retaining wall design etc.

- In 2018, her long awaited dream came true when she started her own Design & Consultancy firm with the name **M/s MRUDA Geotech Consultants**.

- Many good projects are already delivered and quite a few are ongoing.

- There is a long way to go, with ultimate aim of serving Geotechnical fraternity with a quality work.

- Mrs Shubhada has an excellent academic record. She had been awarded with many recognitions for technical paper presentation in various conferences.

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Unfortunately, soils are made by nature and not by man, and the products of nature are always complex... As soon as we pass from steel and concrete to earth, the omnipotence of theory ceases to exist. Natural soil is never uniform. Its properties change from point to point while our knowledge of its properties are limited to those few spots at which the samples have been collected. In soil mechanics the accuracy of computed results never exceeds that of a crude estimate, and the principal function of theory consists in teaching us what and how to observe in the field."

- (Late) Karl Terzaghi,  
Father of Soil Mechanics and Geotechnology

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