



WELCOME TO GREEN FOUNDATIONS



GREEN FOUNDATIONS
9495965114 & INFRASTRUCTURE



No 1 Foundation Specialist in Trivandrum

Green Foundations & Infrastructure

10 years of successful experience in foundation and infrastructure. With exclusive luxuries that segregate with excellent living standards that enable us to lead a modern lifestyle.

Green foundation and infrastructure is one of the most reputed construction company in Thiruvananthapuram which provides all construction services and infrastructure management. We have 10 years of successful journey in the field of construction. Our main services are DMC Pile, Rotary Pile, Under Reamed Pile, Soil Test, Civil Works and Super Structure Work. We are mainly focus on trivandrum based construction works. Our highly skilled expert teams complete the works in correct time. Our service expenses are affordable for all type of customers. We will put to work on your projects whatever you needs.

A worker in an orange safety suit and yellow helmet is working on a pile. The worker is positioned on the left side of the frame, leaning over the pile. The background is a bright yellow gradient with a large orange arrow pointing towards the right.

OUR SERVICES

- DMC Pile
- Rotary Pile
- Under Reamed Pile
- Soil Test
- Board Pile
- Super Structure Work
- Dewatering



DMC Pile

Pile Foundation Using Direct Mud Circulation Method

Direct Mud Circulation (DMC) method is best suited when working-space is a huge constraint. For this type of piling method, the subsoil must be of cohesive nature. DMC piling are effectively vibration free and high production. The DMC system is widely of 60 meter from ground level and diameters can vary from 500 to 1500mm. For average sized piles, the diameter is 450mm to 1000mm and 25m to 30m depth piles. If the concrete is weak and the founding strata is strong there will be structural failure of the concrete. It is a cost effective method.





Rotary Pile

Pile Foundation Using Rotary Pile Method

Rotary pile method mainly using a machine that is designed for buckets, drilling tools and taking to remove soil and rock. With every four or five turns of flight, the auger is bored into the ground and the soil removed until the design depth is reached. Rotary Piles are comparatively large diameter piles constructed using a solid stem auger or kelly bar system and is ideal for hard ground conditions. Using two rotary heads, a pile is bored with one rotary head drilling an auger into the ground as a second rotary head drives the casing into the ground.





Under Reamed Pile



Pile Foundation Using Under Reamed Method

Under reamed piles are bored concrete piles having more than one number of bulbs formed by enlarging the pile stem. These piles are best suitable in soils where considerable ground movements occur due to seasonal changes, filled up grounds and soft soil. Its main advantage is increasing the bearing and uplift capacities. It also provides better anchorage length at greater depths. These piles are effectively used in over bridges, machine foundations, electrical transmission tower foundation and sand water tanks



Soil Test



Soil Test Methods

Soil test is the first step in construction planning which helps to understand the suitability of soil for the construction work. There are several types of Soil tests for building construction works depending on the properties of the construction sites soil. Planning of construction foundation is based on soil test report of construction site. Soil is responsible for allowing the stresses coming from the design. It should be well tested to give effective performance. If soil could not tested correctly then the whole building structure is collapsed or leaned over.



Civil Works

Civil construction works

Civil works mainly include planning, design and construction of structures like roads, railways, buildings, water saving, subdivisions, airports, bridges, sewer systems, tunnels and dams. If the concrete is weak and the founding strata is strong there will be structural failure of the concrete. The major types of civil work are roof work, electrical work, stone work, piping works, glass work, coating work, water proofing work. Design process will include strength, stiffness, and stability of the structure when subjected to loads which may be static.





Steel Structure Construction

Steel Structure Method

Steel-structure is a part of architecture that is above plinth level . Generally columns and walls are constructed in super structure. In other words construction above the basement or foundation, supported by an infrastructure which in turn is supported by the substructure. In Buildings, the section of the structure that is above ground level that receives the live load is associated to as steel structure. The steel structure of a building is the part that is entirely above its foundation or basement. On a bridge, the section of the structure that is the span and directly receives the live load is indicated to as the steel structure. In comparison, the abutment, pier and other support architectures are called the Sub-structure.





Dewatering



Dewatering Method

Dewatering is the removal of water from solid material or soil by wet classification, centrifugation, filtration, or similar solid-liquid separation processes, such as removal of residual liquid from a filter cake by a filter press as part of various industrial processes.

Construction dewatering, unwatering, or water control are common terms used to describe removal or draining groundwater or surface water from a riverbed, construction site, caisson, or mine shaft, by pumping or evaporation. On a construction site, this dewatering may be implemented before subsurface excavation for foundations, shoring, or cellar space to lower the water table. This frequently involves the use of submersible "dewatering" pumps, centrifugal ("trash") pumps, eductors, or application of vacuum to well points.



Our Happiest Clients

- Indian Institute Of Information Technology and Management, Kerala, Technocity, Mangalapuram Completed on 2017.
- Anon Homes Attingal Completed on 2017.
- Consolidated Construction Consortium Limited (CCCL) Tamara Hotel Project Near LULU Mall Completed on 2018.
- Badminon Club Pandalam Completed on 2018.
- Tomato's Restaurant Pettah Completed on 2018.
- Green Method Engineering (P) LTD, STP Plant (150 CMD STP) Technocity Completed on 2018.
- Commercial Building kadakkal Completed on 2018.



Our Happiest Clients

- SP Fort Hospital Consolidated Construction Consortium Limited (CCCL) Project Completed on 2018.
- Fathima Engineering Technocity Completed on 2019.
- Swetha Construction Nagarcoil Completed on 2019.
- Shobha Developers Ltd Completed on 2019.
- Technosol kollam Completed on 2019.



Our Happiest Clients

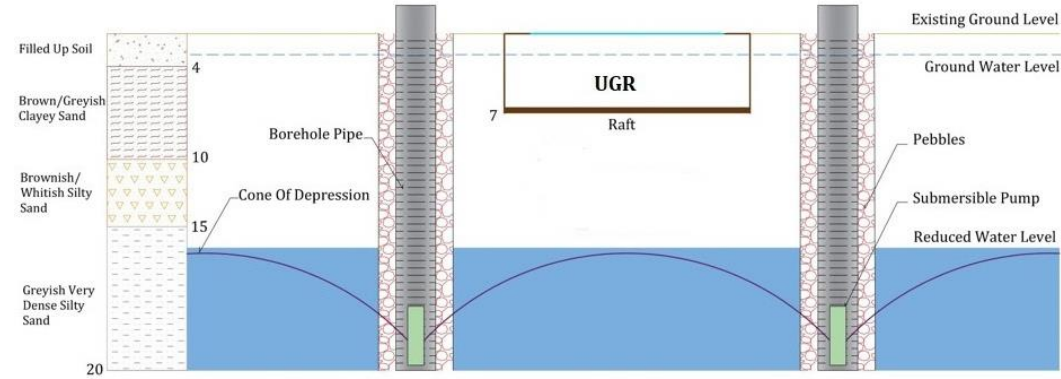
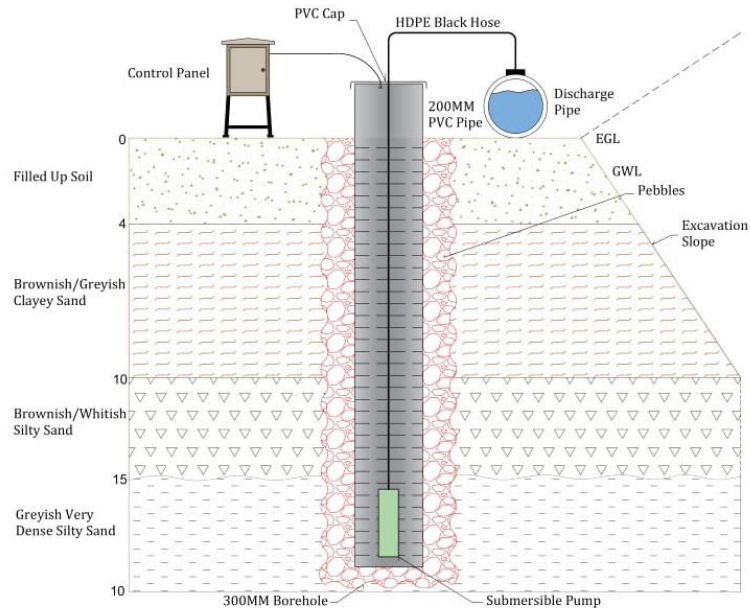
Soil Investigation

- White Projects Meenamkulam Completed on 2018.
- MPS Project Technopark Completed on 2018.
- Auditorium Work Kallambalam Completed on 2018.
- Shopping Complex Statue Completed on 2018.
- ST.Mary's Church Panthalam Completed on 2018.
- Commercial Building Kazhakootam Completed on 2018.



Dewatering Experience

Successfully Completed Indian Institute of Management Technology Management Kerala, Technocity, Mangalapuram On 2017





Our Works



**Sand Yard Near
KIMS Hospital**



Our Piling Equipments

- Heavy duty winch with all accessories - 5 Sets
- Hydraulic drilling rigs (upto 70m) – 2 Nos
- Chisels (40cm – 150cm dia) - 25 Nos
- Casing (40cm – 150cm dia) - 28 Nos
- Heavy duty tripod - 8 Sets
- DMC Rod - 150 m
- Concrete pump - 1 Nos
- Concrete mixer - 11 Nos
- Cube test machine - 3 Nos
- Load test equipment capacity fill 1000 tons - 2 Sets
- Soil test equipment - 2 Set
- Generators upto 125 KVA - 4 Nos
- Trimi pipes - 150 m
- Turbine slurry pump with 20 – 25 HP with full accessories - 13 Nos
- Liner bending machines - 2 Nos
- Lorry - 3 Nos



Our Latest Equipments



- **Tipper 4 Nos**
- **Hitachi 140, 130 and 70**
- **JCB 2 Nos**



Latest Works

- Earth work excavation successfully completed
- Olive builders kazhakoottam site
- Artch site Pallimukku, and near infosys
- MKN Blue metals Tvm



On Going Project

Infosys Ecc Block. Client Shobha Developers Ltd





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