





About Us

- Prasanth Dewatering Systems is one of the leading Construction Dewatering companies in India.
- It is a pioneer in the arena of Deep Well Point and Surface De-watering Systems.
- The company has at its helm experts from the industry who has 25 years of experience.
- We have our branches in overseas like Singapore & Malaysia



❖ Backed by decades of industry experience and technical expertise we are committed to providing our clients with high quality and cost-effective solutions to their groundwater problems based on offering services in:

- Contracting
- Consultancy
- Equipment sales and rental..





Vision&Mission

- Be responsive to customer needs, delivering optimal solutions and value-added services.
- Adhere to fair, transparent and ethical practices in interactions with all stakeholders.
- Remain flexible and agile, continually adapting to the changing business environment.
- Foster a culture of mutual trust, respect, teamwork, continuous learning & innovation.

PD's - Prevalence

- Tailor-made solutions for every Project.
- 25 years of trust & Assurance.
- Client first Approach.
- Cost Saving , Optimization & Safety.
- Effective & Efficient Management .
- Round the clock 24/7 Service Support.
- 400 + Successful Completed projects.
- Cutting Edge Technical soundness & Superior Quality



PD's – Experts Consultants

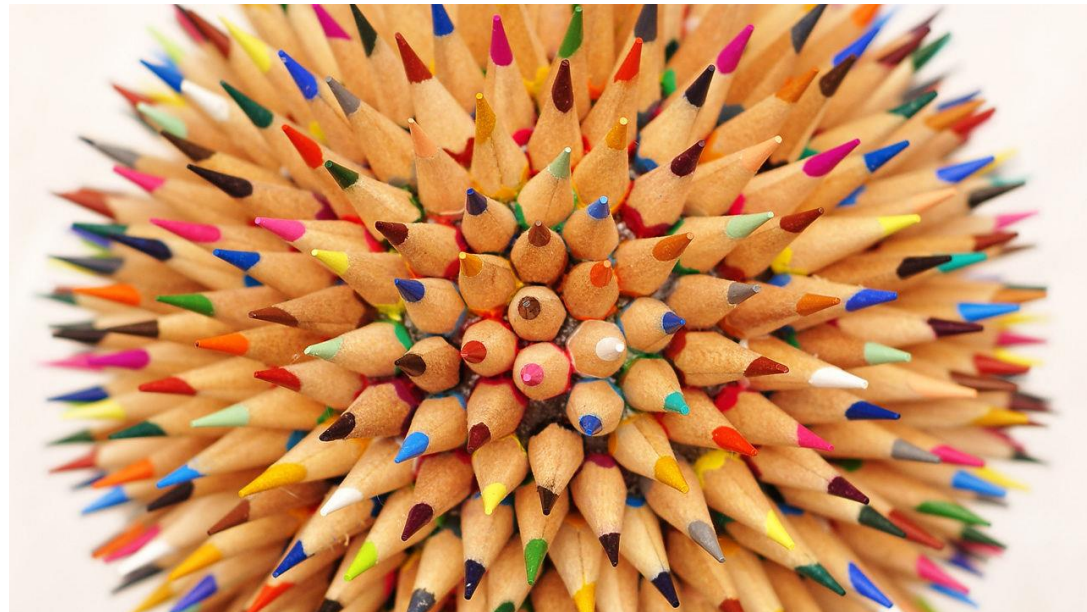


Name	Specialty/ Merits.
Prof: Mr. BR Srinivasmurthy	Dewatering Consultant.
Mr.MuthuKrishna Ayyar	Soil Specialist
Dr.Gandhi	IIT Madras
Mr.Vishwanathan	Retired Anna University Professor.
Mr.Baba	Soil Consultant.



Approaches To Sites...

- **Empirical**
- **Analytical**
- **Numerical**
- **Observational**
- **A bit of History , Philosophy & Screw up's.**



What IS De-Watering



- Dewatering or **construction dewatering** are terms used to describe the action of removing groundwater or surface water from a construction site.
- Normally dewatering process is done by pumping and is usually done before excavation for footings or to **lower water table** that might be causing problems during excavations.
- Dewatering can also be known as the process of removing water from soil by wet classification.
- It is the process of lowering the water table level at and around a particular contract site.

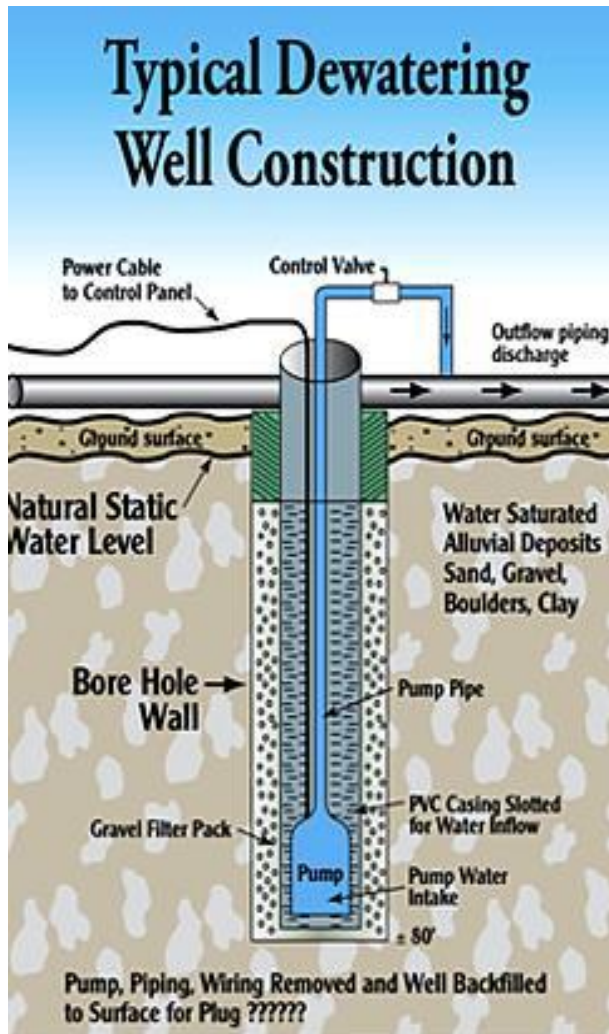


Why De- Watering is Necessary



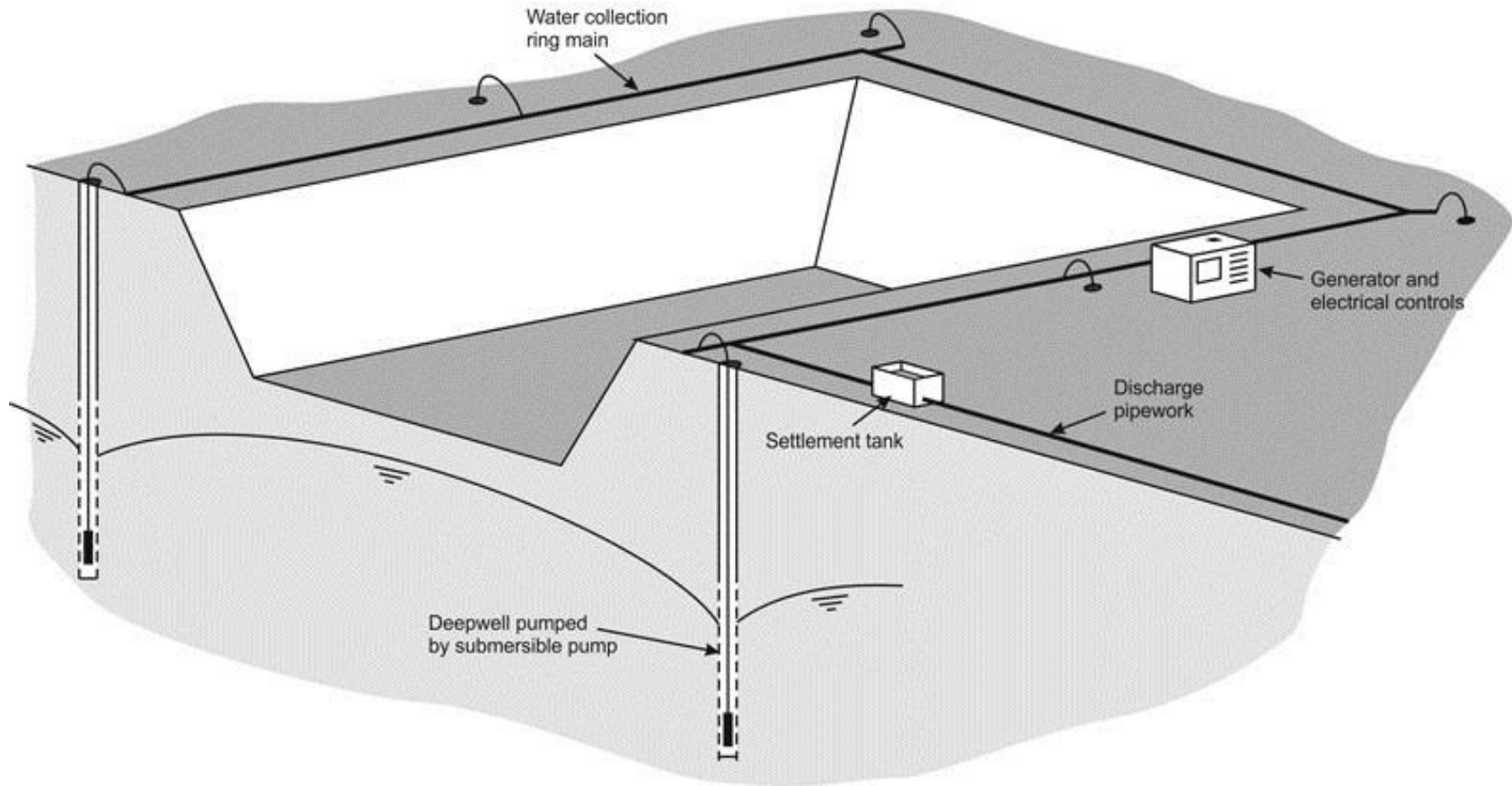
- Construction dewatering is used on most construction sites due to accumulated water in trenches and excavations, places with inadequate slope or due to high water table.
- Dewatering also refers to the removal of groundwater usually by pumping which then allows the contractor to carry out the works specified in a relatively dry environment..
- Normally, builders tend to use water pumps to dewater these areas but are not paying attention to the place where water is discharge, causing erosion and other problems.
- It is important to follow best De-Watering method to drain the water table in the excavation area else it will cause big trouble during construction.
- De-watered water Should be pumped to nearby water source like lakes, rainwater harvesting systems and temporary tanks.

Deep –Well Dewatering



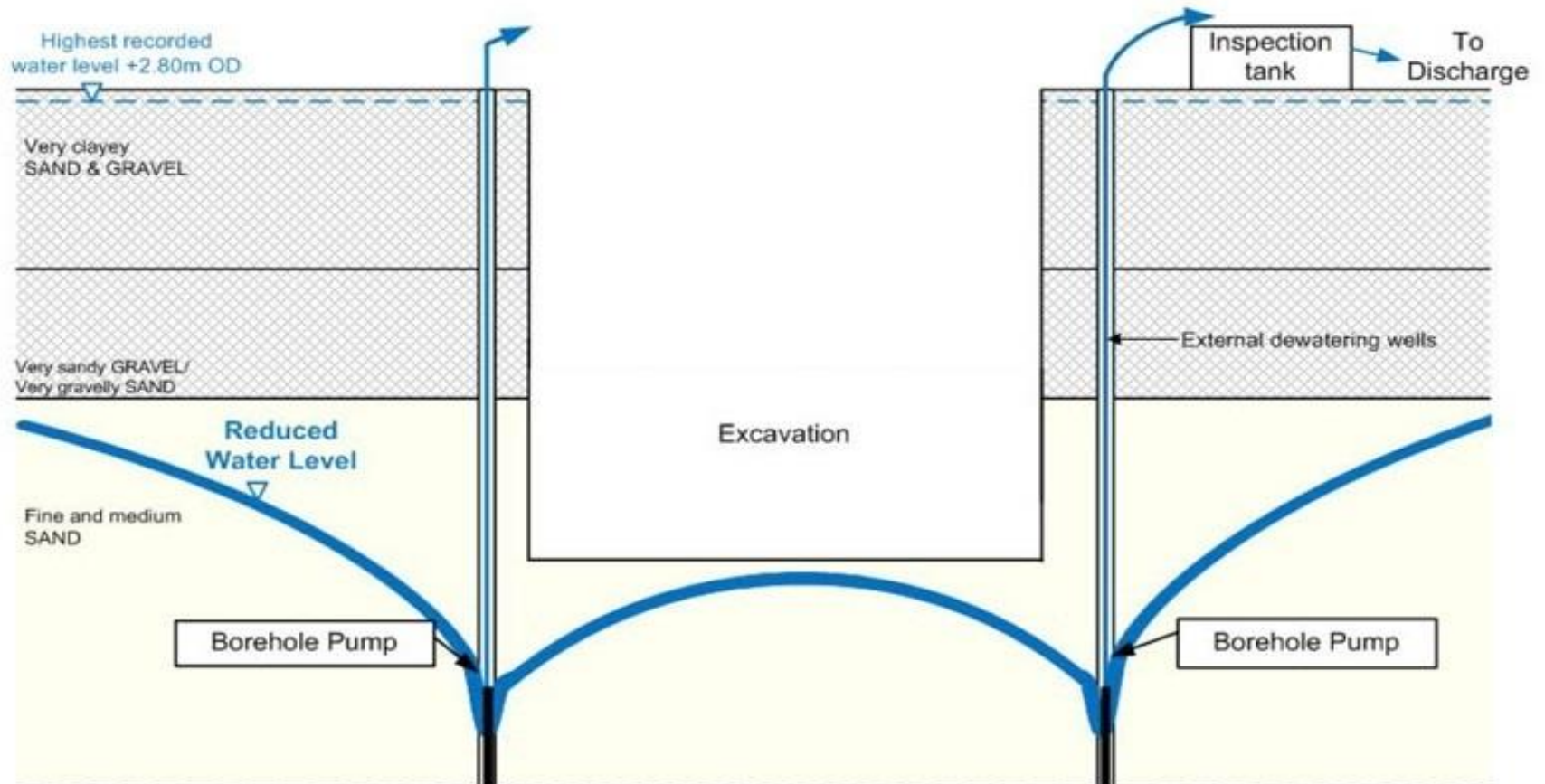
- A deep well system consists of an array of bored wells pumped by submersible pumps.
- Pumping from each well lowers the groundwater level and creates a cone of depression or drawdown around itself.
- Several wells acting in combination can lower groundwater level over a wide area beneath an excavation.
- The technique does not operate on a suction principle, large drawdowns can be achieved, limited only by the depth of the wells, and the hydrogeological conditions.
- These Systems are more powerful for a wider area with optimal numbers of wells and pumps.

Dewatering Methodology

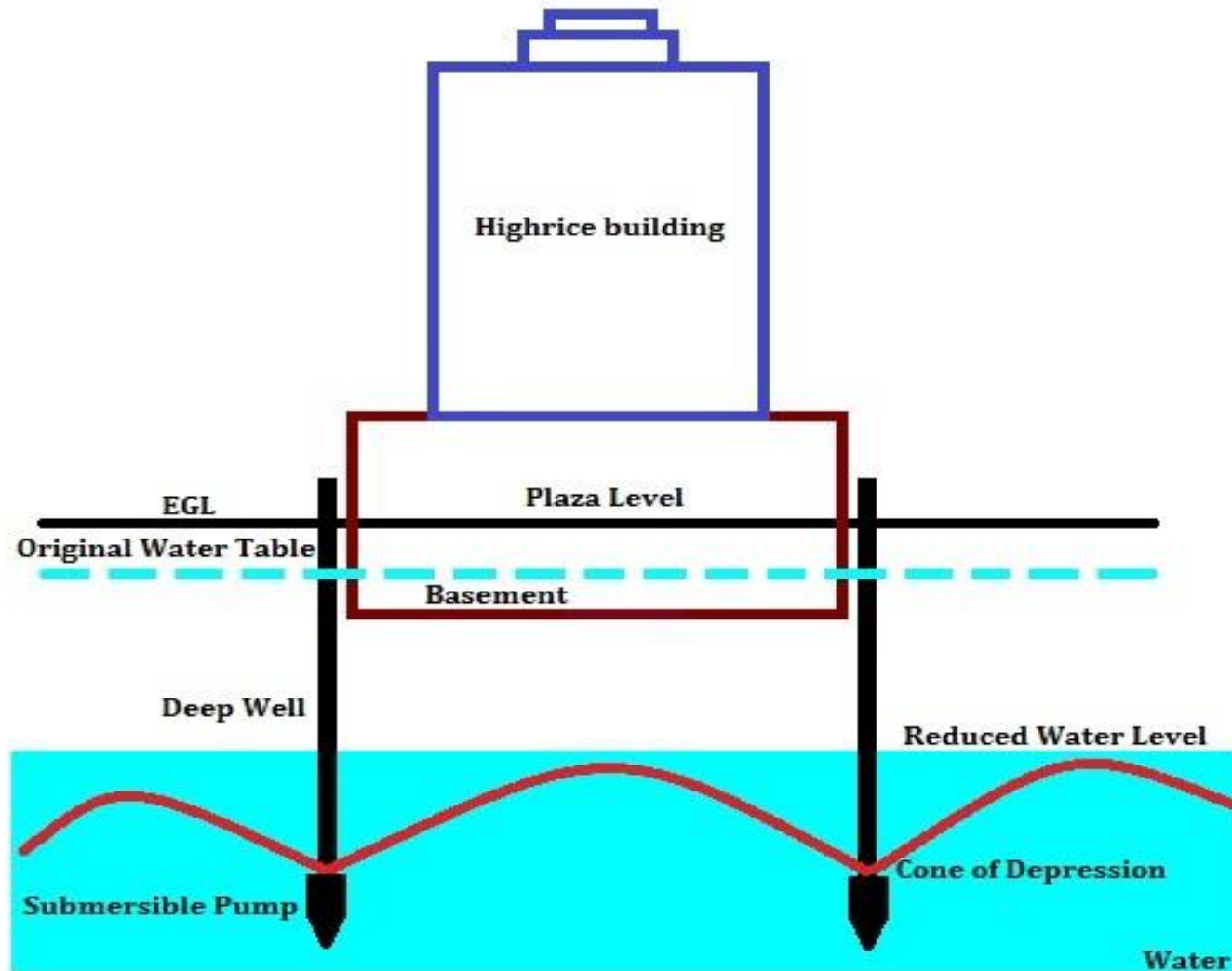


[Video Link: https://www.youtube.com/watch?v=2qcBZQEEKo](https://www.youtube.com/watch?v=2qcBZQEEKo)

Cone OF Depression



Dewatering Sketch

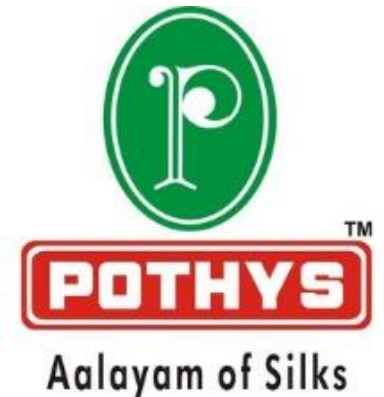
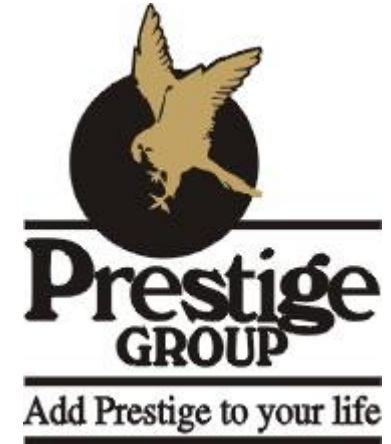


Snapshots of Dewatering Works

- **Identifying Bore point Location**
- **Drilling of bore wells**
- **Inserting PVC Slotted pipes in bore Holes.**
- **Pebbles Filling**
- **Flushing of bore wells.**
- **Water collection Ring main Work**
- **Fixing pumps & Connecting to Ring main.**
- **Control Panel Fixing with Timer setting.**
- **Other Electrical & plumbing Works.**



Our Esteemed Clients





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PURAVANKARA



TOUCHING LIVES







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*Thank
you*

