

PILOT POND EXCAVATION COMPLETED IN CHENNAI

As a part of Chennai pilot study, a percolation pond was constructed during the period from 23/05/2012 to 28/05/2012 at Andarmadam, Thiruvallur district of Tamil Nadu, India. Initially in this area electrical resistivity survey carried out to identify the location that will be suitable for locating the pilot site. The electrical resistivity survey indicated the presence of sandy layer within 2m depth from the ground surface. Subsequently, a test drilling was made on 23rd May 2012 and the subsurface samples were collected. Further 6 bore holes were drilled and by studying the lithologs of these bore holes and by considering the surface elevation the location for percolation pond was fixed. At this location percolation pond was constructed. Fencing was done around the pond for protection. The 8×8 m pond has a depth of about 1.75m and the average slope of sides is 45°. Rainfall, wind speed, wind direction, outdoor temperature, pressure and humidity will be automatically measured and stored by the rain gauge and anemometer attached to the automatic weather station, which was installed on the terrace of the building very closed to the percolation pond. The water level fluctuation in well near to the percolation pond is is being monitored every 6 hours by means of a digital automatic water level indicator.

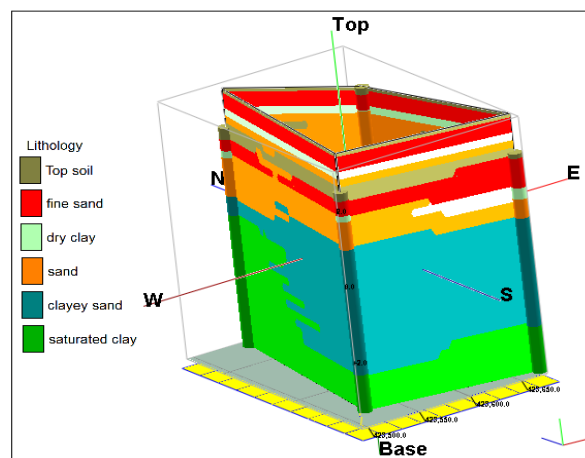


Figure 1 Lithologic fence diagram of the pilot study site

Some photographs of the pond construction

