1.The soil shall comprises clay 20% minimum, silt 60% maximum and sand 30% maximum. The soil shall be tested in authorized laboratory to ascertain its grain size distribution, liquid limit and plasticity. Liquid of soil passing 0.525mm sieve shall not exceed 50%(Atterberg limit) and plastic limit passing 0.425mm sieve shall not exceed 25%(Atterberg limit)

2. 90% maximum dry density at optimum moisture content with reference to laboratory density test in a certain layer