

ABSTRACT

Expansive soil is found in many parts of the world generally consists of active clay minerals. Geotechnical engineers face various problems while designing foundation because of clay soil due to poor bearing capacity and excessive settlement. To overcome those problems researches concentrated on soil improvement techniques by adding gypsum. The main objective of our project is to investigate the use of gypsum in Geotechnical applications and to evaluate the effects of gypsum and in strength of unsaturated soil. The gypsum and are added at various percentage 2%,4%,6% to the exciting soil to enhance the ground improvement.