**ABSTRACT**

Soil stabilization is one of most essential for the construction that is broadly utilized in connection to road pavement and foundation construction as it improves the engineering properties of soil consisting of strength, volume stability and durability. In the present research is to evaluate the compaction and unconfined compressive strength of stabilized black cotton soil using fine and coarse fly ash mixtures. The percent of fine and coarse fly ash mixtures which is used in black cotton soil varied from 5 to 30. In the study concludes that with percentage addition of fine, coarse fly ash improves the strength of stabilized black cotton soil and show off tremendously properly-described moisture-density relationship. It was found that the peak strength attained by using fine fly ash mixture changed into 25% extra when as compared to coarse fly ash.