

Abstract Details

Title: Improvement of a Sub Grade Strength by Lime & Rice Husk

Authors: Naveen Kumar and Mr. S. S Kazal

Abstract: The objective of this paper is to upgrade expansive soil as a construction material using rice husk ash (RHA) and fly ash, which are waste materials. Soil is a peculiar material. Some waste materials such Fly Ash, rice husk ash, pond ash may use to make the soil to be stable. Addition of such materials will increase the physical as well as chemical properties of the soil. Some expecting properties to be improved are shear strength, liquidity index, plasticity index, unconfined compressive strength and bearing capacity etc. The objective of this study was to evaluate the effect of Fly Ash and Rice husk ash to improve the performance of soil. In this paper soil is treated with fly ash (5%,10%,15%,20%,25%) and rice husk ash (10%,15%,20%,25%,30%) and examine after 28 days of curing.

Keywords: Lime & Rice Husk, Soil Stabilization, Sub Grade Strength and Ground Improvement.