

IMPROVEMENT IN PROPERTIES OF SUBGRADE SOIL BY USING RICH HUSK ASH AND MOORUM

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ABSTRACT

The technology of road construction is subjected to changes to cope up with changing vehicular pattern, construction materials and sub-grade conditions. Rice Husk is a waste material produced in rice industry. Rice Husk can be used in various geotechnical constructions like embankments, soil stabilization, and sub grades etc. Soil stabilization has become a major issue in construction engineering and the researches regarding the effectiveness of using industrial wastes are rapidly increasing. The present experimental work briefly describes the suitability of the locally available Rice Husk Ash (RHA) to be used in the local construction industry in a way to minimize the amount of waste to be disposed to the environment causing environmental pollution. The common soil stabilization techniques are becoming costly day by day due to the rise of cost of the stabilizing agents like, cement, lime, etc. The cost of stabilization may be minimized by replacing a good proportion of stabilizing agent using RHA.

KEYWORDS: Black Cotton Soil, Moorum, Rice Husk Ash & Stabilization