

An attempt to improve plantation road soils using an organic stabilizer

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This paper reports the findings of an attempt to improve the strength properties and durability of plantation road soils using a liquid organic stabilizer. Laboratory investigations were done for CBR, and durability in terms of loss of weight in alternate wetting and drying, on five selected soil samples using various proportions of stabilizers. The study suggests that there is an optimum dilution ratio of the stabilizer for the improvement of these soils. Beyond this optimum dilution ratio the strength improvement occurs consistently, though not significant. Statistical analysis of the data obtained from the laboratory tests were also done. Correlation was obtained for CBR value as against the stabilizer dilution ratio.