

A Case Study on Feasibility of Land Fill Soil for the Construction Road Embankment

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Abstract: *The Municipal Solid Waste (MSW) is a heterogeneous material which cannot be used in road embankments as such. It has large size plastics, clothes and even boulder size C&D waste. The material is much different than soil and use of MSW in embankments may result in long term settlements and ultimately lead to failure of road built over it. MSW needs to be segregated/separated for use in embankment construction. Physical and chemical characteristics of municipal solid waste are very important to know the presence of different toxic metals and their possibility of polluting the underground water resources. Geotechnical characteristics such as grain size analysis, specific gravity, compaction, permeability and swell index studied.*

Keywords: MSW soil (municipal solid waste soil), geotechnical, chemical characteristic

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