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In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

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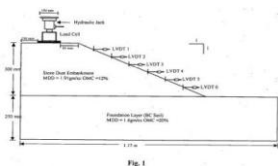
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(57) Abstract :

Reinforced embankment requires good quality cohesion less soil as backfill material with reinforcement for its stability. The demand of good quality backfill material increases for the new construction projects such as retaining walls, embankments, roads and foundations. The concept of soil reinforcement can be used to accommodate of waste material to improve properties of weak soil. In the present invention, model tests were performed for cellular reinforcement (geocell) above embankment of expansive soil which is constructed over black cotton soil. The cellular reinforcement was made from locally available waste materials, i.e. plastic glucose bottle, beer cane, and stone dust were used. A three dimensional cellular reinforcement was made with these waste to use as reinforced material. In the present invention, surcharge pressure-deformation was compared for unreinforced and cellular reinforced(geocell) embankment of expansive soil.



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