



Case Study

Reinforcement under runway extension of Kolkata Airport

Owner: **Airport Authority of India**
 Consultant: **Construction Engg. Dept., Jadavpur University**
 Contractor: TRG Construction Pvt. Ltd.
 Land Area: 7000 sqm.
 Location: Kolkata N.S.C. Bose Airport

The project was done in Kolkata N.S.C. Bose International Airport. The airport runway was extended over a marshy land (soft soil). So, there was a requirement of base reinforcement for the base soft soil.

Solution:

The solution was to provide a separation layer between the existing surface & granular backfill material and a reinforcement layer with granular backfill material.

Materials used:

Fibertex F-600M as separation layer
 Secugrid 40/40 Q1 as reinforcement layer

Brickbats and gravels as granular backfill materials



Installing F-600m over fill soil



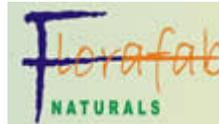
Installation of Secugrid 40/40 Q1



Gravel on secugrid 40/40Q1



Compaction of gravel on secugrid 40/40



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