

STRENGTHENING OF CLAYEY SUBGRADE BY USING GEOSYNTHETICS AND ADMIXTURES

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Abstract:

The scope of the paper presents a new approach of using the geosynthetics and admixtures in the construction of the pavements. While construction of any type of the pavements either rigid or flexible there may be a chance of failure of the pavement by seepage and improper slope level and by many factors. So here we are using the admixtures and the geosynthetic materials in the design of the pavement to reduce or minimize these losses. The main purpose of using admixtures is to increase the strength and for other purposes. While constructing the pavement by using bitumen there may be a chance of getting potholes and the water may run through the pavements when the heavy rain occurs.

IRC:SP:73-2015 suggests following design service volume. For rural roads, typical capacities of various classification of roads is given in IRC:64-1990-guidelines for capacity of roads in rural areas.