

## **Improvement of ground water regime through innovative Rainwater Harvesting along Roads of the country**

SUSHIL KUMAR JAIN<sup>1</sup>

*<sup>1</sup>Ground Water & Mineral Investigation Consultancy Centre (P) Ltd. Jaipur*

The paper deals about viable and immediate solution of shortage of drinking water in the countries like India, Asian and African continents. The paper highlights rainwater harvesting along both the sides of roads with the help of suitable, simple structures, which are easy to maintain. This may turn out to be long term solution for the areas, which are draught prone, or having below normal rainfall. The example given in the paper for “Golden Quadrilateral” project of express national highways in India is quite illustrative and is applicable to other countries also falling in almost similar kind of climatic zones. The concept given in the paper would enhance water availability 8 to 10 times compared to natural process of rainfall infiltration. It would also improve quality of ground water and would save considerable energy in lifting the water due rise in water levels.