

# 1. WATER EROSION APPRAISAL

## 1.1 Inventory and database of erosion status

1. **Adhikari, R.N., Rama Mohan Rao, M.S., Chittaranjan, S. and James, E.V. 1987.** Fabrication, testing and evaluation of a rainfall simulator. Proc. Vol. II, National Symp. on Hydrology, Roorkee, Dec. 16-18, 1987: VI-6-VI-12.

The working of a rainfall simulator, developed by the scientists at CSWCRTI, Research Centre, Bellary, has been described. The simulator consists of rainfall simulator frame, Sprinkler hemispherical copper bowls, drip screen with oscillating arrangement to simulate rainfall, soil tray, collection buckets, etc. The other important component is a 0.5 HP electric motor to pump and supply water to the three numbers of sprinkler bowls through 1" G.I. pipe connections. There are other minor accessories like drums to store and collect the excess water, measuring cylinder, etc.

