

28. **Das, D.C., Raghunath, B., Shri Niwas and Lakshmanan, V. 1972.** Acceptability of length of rainfall data for upland watershed works and approaches thereof. *The Harvester*, XIV:69-75.

Statistical analysis of the ten continuous series of the annual rainfall for the Nilgiris indicated that the samples were widely variable. None of the statistical parameters could provide a useful indicator to ascertain the dependability of a series. Standard error of average method and 'R' factor test could not detect the presence of trend and ensure the reproducibility of sampling, keeping its homogeneity and partly with that of the universe. However, 'R' factor test seemed to have more logical yardstick for application. For upland watersheds, where works are often designed for return periods ranging from 5 to 25 years, relatively shorter length and preceding the actual project life should be more useful rather than very long data.