

1312. **Arya, S.L. and Agnihotri, Y. 1993.** Impact of watershed management project on energy consumption pattern in a Shiwalik foothill village. *J. Rural Dev.*, 12(3): 319-325.

The impact of the watershed management project in Sukhomajri village near Chandigarh with regard to changes in energy consumption pattern has been discussed. While analyzing family fuelwood requirement on the basis of socio-economic parameters using multiple regression approach, the paper also outlines the potentials of developing the use of *gobar* gas for reducing the dependency on commercial as well as conventional non-commercial sources of energy. The study suggests that contribution of fuelwood, out of total energy spent in cooking in the village decreased from 86 per cent before to 57 per cent ten years after taking up the watershed management project. There was a sharp rise in dung production (i.e. from 90 to 2650 tonnes) after the project. With the increased availability of dung (2850 tonnes) in the village, it was possible to produce 1,75,695 cum of energy gas through the *gobar* gas plant.