

- 1015. Goel, P.K., Bansal, R.C. and Samra, J.S. 1996.** A model design of water harvesting structure for Hoshiarpur Shiwaliks of Punjab. *J. Soil Wat. Conserv. India*, 40:65-71.

The worst affected area of Shiwalik hills of Punjab, Haryana and Himachal Pradesh lies in the foothill region of Ropar and Hoshiarpur districts of Punjab where the devastation caused by *Choe* (seasonal torrent) is most severe. The topography is undulating, rainfall is erratic and hills consisting mainly coarse sand beds with alternate layers of unconsolidated clay yield huge amount of sediment to be carried by these *choes*. A watershed development programme was prepared and executed at village Relmajra of Hoshiarpur district. Selected watershed is a typical area representing the sandy formation of Hoshiarpur region. One of the main features of the project is the construction of earthen dam of 13.5 m height for storing runoff water for supplemental irrigation. Present paper describes the various steps involved in the design of this small dam. Success of this structure reflects that this design can be replicated to other places with proper modification to specific site conditions.