

Water harvesting potential of Satna river basin of Satna, M.P.

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ABSTRACT : Potential for water harvesting in the Satna river basin was studied, using RS & GIS. It was found that the estimated runoff that could be harvested on annual basis was 373.42×10^6 CM in Satna river basin. This indicated that this site have the potential for water harvesting that could be utilized for many purposes such as irrigation, house hold, livestock and other local needs for major part of the year, along with increase in recharging of ground water and reduce the scarcity of water of the basin area.

Key Words: Water harvesting, rainfall, runoff and Satna river.