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Evaluation of Site Suitability and Storage Capacity of Constructed Rainwater Harvesting Structure in Vindhyan Region, India

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Abstract: The study was under taken to evaluate the suitability of site of constructed rainwater harvesting structures. Volume of stored rainwater and area of submergence of check dam was used for the understanding the suitability of constructed site. The collection runoff water starts form July and remains up to February/March. Maximum volume of the harvested runoff rainwater and area of submergence was 24954 m^3 and 30985 m^2, at 1.11 m level of stored water at the check dam. There was no water during the month of April to June in the reservoir.

Key Words: Rainwater harvesting, Check dam cum reservoir, Storage capacity, Site suitability, Vindhyan plateau