

BATTISA NALLAH MINOR IRRIGATION PROJECT, SIROHI

NECESSITY OF PROJECT

Battisa Nallah Minor Irrigation Project is proposed on Battisa nallah flowing through village Delder, tehsil Abu road, situated at geographic coordinates with Longitude $72^{\circ} 52' 38.48''$ N, Latitude $24^{\circ} 30' 41.39''$ E on Abu road-Nichalagarh road. Battisa Nallah originate from Abu road hills of Arawali range of mountains and runoff generated from Abu road hills of Arawali Range of mountains and eastern slopes of Ambaji Hills is untapped and ultimately goes unutilized in to West Banas river. Even after having availability of very good quantum of runoff around 629.09Mcft at 50% dependability, water available but there is no irrigation dam / reservoir up to last village on boundary of state of Rajasthan. The cultivators of this area almost depend on rain fed crops and there is a consistent demand for a long time for the construction of dam on Battisa Nallah to cover the needs of irrigation and drinking water of the local area.

The site has been selected after detailed investigation keeping in view the available storage capacity at reasonable height, shortest length of main dam, suitable surplusing arrangement, suitable foundation and availability of construction materials.

As Battisa Nalla has good yield and the whole quantum of water is going unutilized to West-Banas river and on the other hand during summer Sirohi town & near by most of villages are facing acute shortage of drinking water. Most of the area of Abu road tehsil is lying under tribal area and cultivators have very small holding of cultivable land. These tribal cultivators are totally dependent on rain fed crops and on small land holdings crop yield is neither certain nor sufficient to earn their livelihood. So it becomes very essential to utilize the available surplus runoff for well being of public of state by constructing a dam to overcome all these short comings. Hence the Battisa Nallah Project has been proposed to store 577.40mcft water out of which 269.80mcft water will made available for drinking water and rest for irrigation facilities in around 900Ha land of surrounding villages of district Sirohi.


अधिशायी अभियन्ता
जल संसाधन खण्ड, सिरोही