

## HIDSINGH IRRIGATION PROJECT

The Hidsingh Irrigation Project is a reservoir project proposed in Brahmani basin. It is proposed to construct of a dam across river Bauli a tributary of river Brahmani near village Karadasingh in Angul block of Angul district. The nallah originates from the hill ranges of Balanga and traverse in North-East direction and joins Lingara near village Rankasinga. The geographical co-ordinates i.e., latitude and longitude of the weir site is  $20^{\circ}-43'-00''$  N and  $84^{\circ}-58'-30''$ E respectively. The reference toposheets are 73H/2 & 73D/14.

The total catchment area at the proposed dam site is 72.30 Sq.km. The catchment is fairly fan shaped and is bounded by steep hills and covered by thick forest. The distance of dam site to district headquarter at Angul is 25 Km. The nearest Railway station Angul, which is 30 km. from the project site.

The proposed project command area is chronically affected with frequent of droughts. The land is fertile but due to want of irrigation facilities, the agricultural production is considerably low. The general economic condition of the people of this area is very poor. The proposed project will ensure better crop yield and thereby bring in overall socio-economic development of the locality. If the project will be taken up, 22nos. villages will be benefited from this scheme.

The total area coming under reservoir submergence is 324.95 ha. Total 3 nos. of villages namely Dimiripal, pampasar and karadasing will be partially affected due to reservoir submergence and 1 no. village namely Hidsing will be completely submerged.

The 75% dependable yield for the proposed project is 1710.41 Ham. The project will provide assured irrigation facility to 2366 ha. in Khariff and 740 ha. in Rabi and also this project will provide drinking water facility to more than 10,000 population in the command area. It will provide irrigation to 2958 ha. of CCA. On its completion it will provide 3106 ha. of irrigation annually. The cost per hectare of CCA is 4.37 lakhs.

It is proposed to construct an earthen Dam of 933m. long ogee crested central spillway of length 36 m. with gate size 10m x 8m. The length of main canal is 26.16 Km. The catchment and the command area of the project lies entirely in Odisha and hence the question of inter-state aspect does not arise.