

HINJILII IRRIGATION PROJECT

The Hinjili Irrigation Project is a reservoir Project proposed in Brahmani Basin. It envisages construction of a masonry dam across Hinjili river, a tributary of the river Tikira near village Kaunsipal in Deogarh district. The catchment area at the proposed dam site is 155 sq.km. The Proposed dam site is about 3 Kms from Budhapal adjacent to Budhapal-Rengali road. The latitude and longitude of the proposed dam site is 21⁰-12'-28" N and 84⁰-53'-03" E respectively vide Toposheet no. 73 C/16 & 73 C/15.

The proposed project site is 28 Km. from Rengali dam on NH 200 and 50 Km. from Angul. The nearest railway station is Angul, which is 55 Km. away from dam site. On completion of the project it will provide irrigation in Riamal block of Deogarh district, Chhendipada and Kanhia blocks of Angul district which are drought prone.

The G.C.A. of the project is 6000 Ha. A masonry dam is to be constructed across the river to irrigate C.C.A of 4800 Ha. on both sides of the Hinjili river upto the confluence of the river Hinjili with Tikira and on both sides of river Tikira after confluence. It is proposed to provide irrigation to an area of 4560 Ha. in Khariff and to an area of 2400 Ha. in Rabi. The command level of the ayacut starts from 133.5 m.

It is proposed to cater the domestic water requirement for a population of 45000 @ 100 liters /capita/day. In absence of data on observed flood events a synthetic unit hydrograph has been developed for dam site considering the physical parameters of the Hinjili Catchment upto dam site. The design flood is found to be 1197 m³/sec.