

## Uttei-Roul Integrated Project

Uttei-Roul Integrated Irrigation Project is proposed in Tel-Sub basin of Mahanadi basin. The proposed integrated project envisages construction of two dams, one across river Uttei at Gourkela and another across Buda Nalla, a tributary of river Roul and one barrage at **Jurakhaman** across river Roul. Buda Dam intercepts a catchment area of 450 sq.km and Uttei Dam intercepts a catchment area 415 sq.km. The free catchment area intercepted at Roul barrage is 675 sq.km. The water from Buda reservoir(FRL 340m) after power generation is collected at Roul barrage with pond level at 272M. The pondage at Roul barrage is diverted to Uttei reservoir, through a link Channel of about 2km length connecting Roul River and Uttei River. The Uttei-Roul Integrated Irrigation Project is proposed to provide irrigation to a CCA of 60,000 Ha in Kalahandi district from Uttei reservoir (FRL 270M) after power generation. The proposed ayacut of integrated project includes stabilization of 9626 ha of existing ayacut of Uttei D/W on down stream of the proposed reservoir.

The proposed Uttei D/W at **Nagjhari** on up stream of the Uttei dam intercepting a catchment of 259sq.km feeds water to Uttei dam after power generation through PH No -1 . Similarly the proposed D/W at **Putrimahal** on Roul river up stream of Roul barrage with pond level at RL 300M intercepting a catchment of 595 sq.km feeds water to Roul barrage after power generation through PH No-2. Buda reservoir with FRL at 340 M releases water to Roul barrage after generation of power through PH No-3. Ultimately, the water collected at Uttei reservoir irrigates the command area after generation of power through PH NO- 4.

The catchment area of Uttei and Roul river is covered with dense forests. Uttei reservoir and Buda reservoirs are located in forest area and the tentative forest area to be submerged under both the reservoir are 650 Ha and 350 Ha respectively.