

TURI GUNTAT IRRIGATION PROJECT

The Turi Guntat Irrigation Project is an integrated diversion scheme. It envisages construction of two barrages one each across river Turi and river Guntat. The river Turi is a left tributary of the river Indravati. The river Guntat is a sub-tributary of river Turi. Thus, the proposed Turi-Guntat irrigation project is located in the Indravati sub-basin of Godavari basin in Nabarangpur district of Odisha. The rivers Turi & Guntat originate from the hilly area of Chandrapur village in Papadahandi Block of Nabarangpur District. Both the rivers meet near village Seoni about 3.5 Km. down stream of the proposed barrage sites and then finally meet the Indravati river near village Debraguda of Kosagumuda Block in the district of Nabarangpur. It is proposed to construct a barrage of length 136m (approx.) across river Turi near village Chatahandi (Latitude $19^{\circ} - 16' - 55''$ N & Longitude $82^{\circ} - 26' - 24''$ E) and another barrage of length 98m (approx.) across river Guntat near village Deula (Latitude $19^{\circ} - 15' - 29''$ N & Longitude $82^{\circ} - 28' - 22''$ E) in Nabarangpur district of Odisha. The ponds created at these two barrages will be linked through a link channel.

The catchment area intercepted at the barrage site across river Turi is 381 Sq.Km and that at the barrage site across river Guntat is 231 Sq.Km. The total catchment area intercepted is $(381+231=)$ 612 Sq. km. The Culturable Command Area (CCA) of the project is 9135 Ha. The Turi-Guntat irrigation project, on completion, will provide irrigation facilities during Kharif season to 8000 Ha (87.6% of CCA) in 35 villages of Kosagumuda and Nabarangpur blocks of Nabarangpur district besides providing drinking water facilities to the people living in the command area of each barrage for 10000 population @ 100 lpcd. The design flood peaks are worked as 2724 Cumecs and 1726 Cumecs for Turi and Guntat respectively.

As per inter-state agreement reached between the States of Madhya Pradesh and Odisha at Bhopal on 11th July 1979, the State of Odisha can use all the waters upto Upper Indravati Project comprising Indravati, Podagad, Kapur & Muran dam sites. Below Upper Indravati Project, there is a catchment area of 1855 Sq.Miles (4804 Sq.Km) in the Indravati sub-basin upto Odisha border with Chhatishgarh.