

KATRA IRRIGATION PROJECT

The Katra irrigation project is a medium irrigation project situated near village Netei in Bangirposi of Mayurbhanj district of Orissa. The project site is at a distance of about 50km. From district head quarters Baripada. The project will be constructed across river Katra a Major tributary of river Budhabalanga which takes its origin from the Similipal hills. The dam is located at longitude 86⁰-32'-30" E and latitude 22⁰-09'-10" N.

The project envisages the construction of 3930m long earth dam across river Katra. The dam has a maximum height of 29m above the deepest bed level of river Katra. The length of right main canal is 7.5km and that of left main canal is 11.5km with a discharge of 1.58 cumec and 9.75 cumec respectively.

The catchment area of the proposed Katra irrigation project is 208 sq.km., which will provide irrigation to 7200Ha during khariff and 4240Ha. during Rabi. The dam will submerge 975Ha affecting 9 villages with 1165 families. This project involves clearance of 200Ha. of forest land. The irrigation benefit will be enjoyed by 21 villages in Bangirposi block & 50 villages in Saraskana block. The 75% dependable yield comes to 6875.23 Ham. The yield as arrived comes to 330mm per sq.km. of catchment.

The maximum design flood computed is 3050.4 cumec. The Gross Commanded Area (G.C.A) & Culturable Commanded Area (C.C.A) of this project is 13000Ha & 8000Ha respectively. The reservoir working table has been worked out for khariff and Rabi crops with 85% & 53% of success respectively. The catchment area at dam site is 208.00 sq.km. The Live Storage Capacity and Dead Storage Capacity are 6261.58Ham.& 297.00Ham. respectively.

The estimate cost of the project is 69.80crores. The Benefit Cost (B.C.) ratio has been worked out to be 1.67. A provision has been kept in the project for drinking water to 10,000 population. Provision for 2 Nos. of mini hydel power unit to be installed at canal head regulators have been made for future.