

AHEERAJORE IRRIGATION PROJECT

SALIENT FEATURES

1. General.

1. State	: Odisha.
2. District	: Jharsuguda
3. Sub-Division	: Jharsuguda
4. Village	: Debdarha
5. River	: Aheerajore Nallah
6. Location	: Lat.21 ⁰ -47'-42"N, Long.83 ⁰ -39'-04"E
7. Topo sheets	: 64 0/9, 64 0/10
8. Block to be benefited	: Lakhanpur

2 Hydrology.

A) Catchment area	: 133.40 Sq.Km.
B) Rain fall:	
1. Maximum Monsoon Rainfall	: 1766.65 mm
2. Minimum Monsoon Rainfall	: 675.33 mm
3. Av. Annual Rainfall	: 1220.99 mm
4. 75% dependable yield	: 4289.68 Ham.

3. Flood

Design flood at Barrage Site	: 1260 Cumecs
------------------------------	---------------

4. Principal Level

1. T.B.L	: 205.50 m
2. M.W.L	: 202.50 m
3. Pond Level	: 202.50 m
4. F.S.L of Canal	: 201.50 m
5. Crest Level	: 199.60 m
6. Av. B.L of River	: 198.40 m
7. Deepest B.L of River	: 197.20 m

5. Submergence Details

1. Govt. Land	: 9.53 Ha
2. Private Land	: 5.40 Ha
3. Forest Land	: 3.10 Ha

6. Barrage and Afflux Bunds

A. Barrage

1. Type	: Concrete Barrage
2. Length of Barrage	: 174.00 m
3. Number of bays	: 11 Nos. with 1 under sluice
4. Size of gate	: 12m x 2.90 m
5. Type of gate	: Radial

7. Details of Command Area

- 1. G.C.A : 3500 Ha.
- 2. C.C.A : 2220 Ha.

Irrigation

- 1. Khariff : 2220 Ha.
- 2. Annual Irrigation : 2220 Ha.

8. Canal System

Right Main Canal

- 1. Discharge : 2.00 Cumecs
- 2. Length : 11.50 Km
- 3. C.C.A : 1640 Ha

Left Main Canal

- 1. Discharge : 0.70 Cumecs
- 2. Length : 8.45 Km
- 3. C.C.A : 580 Ha