

KUTULISINGHA IRRIGATION PROJECT

SALIENT FEATURES

1. Location.

a) Dam	: Kutulusingha
b) Latitude	20 ⁰ -48'-20" N
c) Longitude	84 ⁰ -41'-30" E
d) Topo sheets	73 D/9, 73 D/13
e) River	A tributary of Sindoljhore
f) District	Dhenkanal
g) Village	Kutulusingha

2. Hydrology.

a) Catchment area	83.30 Sq.Kms.
b) Max. monsoon rainfall	1740.00 mm.
c) Min. monsoon rainfall	711.00 mm.
d) Average. monsoon rainfall	1062.54 mm
e) 75% dependable yield	2198.00 Ham.
f) Design Flood discharge	1265.00 Cumecs
g) Deepest bed level	164.85 m

3. Reservoir.

a) Gross storage capacity	1806.00 Ham.
b) Live storage capacity	1606.00 Ham.
c) Dead storage capacity	200.00 Ham.
d) D.S.L of Dam	182.00 m.
e) F.R.L of Dam	201.00 m.
f) T.B.L of Dam	204.00 m
g) Submergence area of F.R.L	144.00 Ha.

4. Dam.

a) Type of Dam	Earth Dam
b) Total length	300.00 m.
c) Max. Height	39.15 m.
d) Top width	5.00 m.

5. Spillway

a) Type	Ogee Crested central spillway
b) Effective Length	46.58 m.
c) Total length	48.00 m.

- | | |
|----------------------|---------------|
| d) Crest level | 195.00m |
| e) Spillway capacity | 1265.00Cumecs |
| f) Size of the gate | 12 m X 6 m |

6. Distribution System.

- | | |
|-----------------------------------|---------------|
| a) G.C.A | 3790 Ha. |
| b) C.C.A | 2540 Ha. |
| c) Percentage of C.C.A to G.C.A | 67% |
| d) Area of Khariff Irrigation | 2286 Ha (90%) |
| e) Area of Rabi Irrigation | 1524 Ha (60%) |
| f) Intensity of Annual Irrigation | 150% |