

TELENGIRI IRRIGATION PROJECT

Location		
1	Dam site	Near village Bindhaniguda of Jeypore Sub-divn. of Koraput District.
2	Latitude	18 ⁰ -56'-30" N
3	Longitude	82 ⁰ -40'-00" E
4	Toposheet	651/SE,65J/NE
5	River	Telengiri
Hydrology		
1	Catchment area	207 Sqkm.
2	75% dependable rainfall (1985)	905.65 mm.
3	75% dependable runoff (1991)	11159.23 Ham.
4	Maximum flood discharge	2281 Cumecc.
Reservoir Capacity & Submergence		
1	Gross storage capacity at F.R.L	7440 Ham.
2	Dead storage capacity	617 Ham.
3	Live storage capacity	6823 Ham.
4	Full Reservoir Level	R.L. 633.00 M.
5	Maximum Water Level	R.L. 633.00 M.
6	Dead Storage Level	R.L. 613.50 M.
7	Submerged area at F.S.L	500 Ha.
8	Free Board	3 M.
9	Top Bank level	R.L. 636.00 M.
10	Water spread area at F.R.L	500 Ha.
11	Deepest bed level	R.L. 591.58 M.
12	No. of submerged village	03 Nos.
13	No. of families affected	437 Nos.
14	Population to be affected	1575 Nos.
15	District Benefited	Koraput

Main Dam		
1	Type	Homogeneous Earth fill Dam
2	Length of Dam	1192 M.
3	Maximum Height of dam	43 M.
4	Top width of Dam	6 M.
Spillway		
1	Type	Central Ogee type with radial gates
2	Length of Spillway	41 M.
3	Crest Level of Spillway	R.L. 619.50 M.
4	Design discharge	2281 Cumec.
5	No. and size of gates	3 Nos. (13.5M x 12M)
Distribution system		
1	GCA	14700 Ha.
2	CCA	9950 Ha.
3	Percentage of CCA to GCA	67.7 %
4	Intensity of Irrigation during Kharif	89%
5	Intensity of Irrigation during Rabi	50%
6	Annual intensity of Irrigation	139%
7	Utilization factor	78.86
Canal system		
1	Head regulator Discharge Capacity	9.75 Cumec.
2	Length of Main Canal	25.75 Km.
3	F.S.L of Canal head	614.445 M.
4	Full Supply Depth	1.20 M.
5	Bed Width	1.20 M.
Estimated cost		
1	Total Cost of the project	Rs.10618.838 Lakh.
2	Cost per Ha. of annual irrigation	Rs.76,786.00
3	B.C Ratio at 10% interest	1.94
4	Internal rate of return	20.37

