

SARAFGARH DAM PROJECT

Location		
1	Dam site	In Sundargarh Dist. of state Orissa.
2	Lattitude	22 ⁰ -10'-56" N
3	Longitude	83 ⁰ -45'-45" E
4	River	Idhha Nalla
5	Purpose	Irrigation
Hydrology		
1	Catchment area	65.30 Sqkm.
2	Design flood discharge	695 Cumecs.
3	Rainfall	1325 mm.
4	Mean Annual Runoff in the catchment	2969 Ham.
Reservoir		
1	Gross storage capacity	1375 Ham.
2	Effective storage capacity	1215 Ham.
3	Area at FRL	233 Ha.
4	Available Draw-down	10.50 M.
Main Dam		
1	Type	Homogeneous Earth filled.
2	Length of Dam (Non over-flow section)	254 M.
3	Maximum Height of Dam above the lowest point of foundation.	25.00 M.
4	Total earth work in Dam	353.085 Th.Cum.
5	Total quantity of concrete & masonry	15.145 Th.Cum.
Spillway		
1	Type	Chute gated type.
2	Maximum discharge capacity	695 Cumecs.
3	Length of spillway	60.40 M.
4	Type of gates	Radial
5	No. of gates	5 Nos.

Distribution system		
1	GCA	3198 Ha.
2	CCA	2233 Ha.
Estimated cost		
1	Year of commencement	1978
2	Year of completion	1985