

BHASKEL IRRIGATION PROJECT

Location		
1	Dam site	Near village Durkiguda in Nowrangpur sub-divn. of Koraput Dist.
2	Latitude	19 ⁰ -42'-30" N
3	Longitude	82 ⁰ -08'-00" E
4	Toposheet	65 I,N,W
Hydrology		
1	Catchment area	87 Sqkm.
2	Mean monsoon rainfall	1198 mm.
3	Minimum monsoon rainfall	640 mm.
4	Maximum monsoon rainfall	1640 mm.
5	75% dependable rainfall	1122 mm.
6	75% dependable runoff	3630 Ham.
7	Maximum flood discharge	566 Cumec.
Reservoir		
1	Gross storage capacity at FRL	2982.50 Ham.
2	Dead storage capacity	216.15 Ham.
3	Live storage capacity	2766.35 Ham.
4	Full Reservoir Level	R.L.626.66 M.
5	Maximum Water Level	R.L.628.19 M.
6	Dead Storage Level	R.L.618.44 M.
7	Submerged area at FRL	642.26 Ha.
Main Dam		
1	Type	Earth fill
2	Length of Dam	1535 M.
3	Maximum height of Dam	22.86 M.
4	Width at crest	4.87 M.
5	Top level of Dam	R.L.630.50 M.
Spillway		
1	Type	Masonry, overflow

2	Length of Spillway	87.78 M.
3	Crest Level of Spillway	R.L.626.66 M.
Distribution system		
1	GCA	5390 Ha.
2	CCA	4280 Ha.
3	Percentage of CCA to GCA	78%
4	Area irrigated during Kharif	4378 Ha.
5	Area irrigated during Rabi	2250 Ha.
6	Annual Irrigation	6628 Ha.
Estimated cost		
1	Cost of the project	Rs.317.46 Lakh.
2	Cost per ha of annual irrigation	Rs.5975/-
3	BC Ratio	3.9
4	Year of commencement	1961
5	Year of completion	1966