

Chandrabhaga Dam

Location	22.9731° N, 71.5572° E
State	Gujarat
Nearest City	Dhangadra
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Chandrabhaga
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	1982.0 m
Reservoir Area	961817.0 m ²
Gross storage capacity	4316000.0 m ³
Effective storage capacity	3715000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	81.5 km ²
Perimeter of catchment	48.2 km
Basin Length	18226.0 m
Form factor	0.24528
Circularity ratio	0.44047
Elongation ratio	0.55865
Highest Stream order	6
Max elevation	102.0 m
Min elevation	40.0 m
Mean bifurcation ratio	2.2957
Stream frequency	73.3470 per km ²
Relief	62.00 m
Drainage density	9.5870 km/km ²
Length of overland flow	52.153 m

CATCHMENT CLIMATOLOGY

