

Dhandha Dam

Location	22.1281° N, 69.1742° E
State	Gujarat
Nearest City	Kalyanpur
Year of Completion	1970
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Dhandha
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	1163.0 m
Reservoir Area	102054.0 m ²
Gross storage capacity	3638000.0 m ³
Effective storage capacity	3638000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.1 km ²
Perimeter of catchment	7.1 km
Basin Length	2493.3 m
Form factor	0.34530
Circularity ratio	0.53526
Elongation ratio	0.66284
Highest Stream order	4
Max elevation	28.0 m
Min elevation	3.0 m
Mean bifurcation ratio	2.2693
Stream frequency	83.3900 per km ²
Relief	25.00 m
Drainage density	11.0770 km/km ²
Length of overland flow	45.140 m

CATCHMENT CLIMATOLOGY

