

Dhandhavada Dam

Location	21.3603° N, 70.3272° E
State	Gujarat
Nearest City	Khambhalia
Year of Completion	1956
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Voklo
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.3 m
Dam length	421.0 m
Reservoir Area	1478623.0 m ²
Gross storage capacity	4760000.0 m ³
Effective storage capacity	4480000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	89.0 km ²
Perimeter of catchment	43.9 km
Basin Length	16506.0 m
Form factor	0.32670
Circularity ratio	0.57956
Elongation ratio	0.64474
Highest Stream order	6
Max elevation	154.0 m
Min elevation	38.0 m
Mean bifurcation ratio	2.3111
Stream frequency	72.3080 per km ²
Relief	116.00 m
Drainage density	9.4610 km/km ²
Length of overland flow	52.850 m

CATCHMENT CLIMATOLOGY

