

Dhanora Dam

Location	22.4703° N, 73.3536° E
State	Gujarat
Nearest City	Waghoriya
Year of Completion	1911
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	1829.0 m
Reservoir Area	365000.0 m ²
Gross storage capacity	3570000.0 m ³
Effective storage capacity	3050000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.0 km ²
Perimeter of catchment	25.5 km
Basin Length	9816.2 m
Form factor	0.33236
Circularity ratio	0.61744
Elongation ratio	0.65030
Highest Stream order	6
Max elevation	89.0 m
Min elevation	52.0 m
Mean bifurcation ratio	2.4689
Stream frequency	78.5310 per km ²
Relief	37.00 m
Drainage density	10.8840 km/km ²
Length of overland flow	45.941 m

CATCHMENT CLIMATOLOGY

