

Vadatalav Dam

Location	22.4936° N, 73.5556° E
State	Gujarat
Nearest City	Halol
Year of Completion	1916
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	2669.4 m
Reservoir Area	40100.0 m ²
Gross storage capacity	2389000.0 m ³
Effective storage capacity	2302000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.3 km ²
Perimeter of catchment	11.4 km
Basin Length	5752.8 m
Form factor	0.09923
Circularity ratio	0.31726
Elongation ratio	0.35533
Highest Stream order	4
Max elevation	785.0 m
Min elevation	118.0 m
Mean bifurcation ratio	4.4903
Stream frequency	92.2660 per km ²
Relief	667.00 m
Drainage density	13.0380 km/km ²
Length of overland flow	38.349 m

CATCHMENT CLIMATOLOGY

