

Khata Dam

Location	23.2628° N, 73.4850° E
State	Gujarat
Nearest City	Vadasinor
Year of Completion	1985
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Vahela
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.5 m
Dam length	152.0 m
Reservoir Area	610000.0 m ²
Gross storage capacity	11326000.0 m ³
Effective storage capacity	10338000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.2 km ²
Perimeter of catchment	10.1 km
Basin Length	2308.5 m
Form factor	0.79309
Circularity ratio	0.51778
Elongation ratio	1.00450
Highest Stream order	4
Max elevation	183.0 m
Min elevation	131.0 m
Mean bifurcation ratio	2.2689
Stream frequency	67.1970 per km ²
Relief	52.00 m
Drainage density	8.1270 km/km ²
Length of overland flow	61.523 m

CATCHMENT CLIMATOLOGY

