

Demali Dam

Location	22.8883° N, 73.5947° E
State	Gujarat
Nearest City	Shahera
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.1 m
Dam length	760.0 m
Reservoir Area	427000.0 m ²
Gross storage capacity	908000.0 m ³
Effective storage capacity	856000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.9 km ²
Perimeter of catchment	13.5 km
Basin Length	4989.2 m
Form factor	0.35839
Circularity ratio	0.61682
Elongation ratio	0.67529
Highest Stream order	5
Max elevation	138.0 m
Min elevation	109.0 m
Mean bifurcation ratio	2.3235
Stream frequency	71.1810 per km ²
Relief	29.00 m
Drainage density	8.9000 km/km ²
Length of overland flow	56.177 m

CATCHMENT CLIMATOLOGY

