

Dhatarwadi-li Dam

Location	21.0306° N, 71.4250° E
State	Gujarat
Nearest City	Rajula
Year of Completion	2002
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Datarwadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.1 m
Dam length	3369.5 m
Reservoir Area	4347300.0 m ²
Gross storage capacity	10190000.0 m ³
Effective storage capacity	7490000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	713.7 km ²
Perimeter of catchment	147.1 km
Basin Length	37166.0 m
Form factor	0.51668
Circularity ratio	0.41442
Elongation ratio	0.81081
Highest Stream order	8
Max elevation	421.0 m
Min elevation	26.0 m
Mean bifurcation ratio	2.4012
Stream frequency	69.1380 per km ²
Relief	395.00 m
Drainage density	9.0830 km/km ²
Length of overland flow	55.046 m

CATCHMENT CLIMATOLOGY

