

Devalia Dam

Location	23.0164° N, 70.0197° E
State	Gujarat
Nearest City	Anjar
Year of Completion	1967
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Machchhu
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	2514.0 m
Reservoir Area	683000.0 m ²
Gross storage capacity	1660000.0 m ³
Effective storage capacity	1270000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.8 km ²
Perimeter of catchment	31.3 km
Basin Length	11295.0 m
Form factor	0.22565
Circularity ratio	0.37041
Elongation ratio	0.53583
Highest Stream order	5
Max elevation	112.0 m
Min elevation	31.0 m
Mean bifurcation ratio	2.1579
Stream frequency	68.8180 per km ²
Relief	81.00 m
Drainage density	8.6270 km/km ²
Length of overland flow	57.960 m

CATCHMENT CLIMATOLOGY

