

Bhadar li Dam

Location	21.7628° N, 70.4231° E
State	Gujarat
Nearest City	Dhoraji
Year of Completion	2000
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhadar
Dam Type	Other
Height above lowest foundation level	20.7 m
Dam length	3527.0 m
Reservoir Area	8500000.0 m ²
Gross storage capacity	49000000.0 m ³
Effective storage capacity	41850000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4444.0 km ²
Perimeter of catchment	345.3 km
Basin Length	109100.0 m
Form factor	0.37339
Circularity ratio	0.46857
Elongation ratio	0.68927
Highest Stream order	9
Max elevation	302.0 m
Min elevation	27.0 m
Mean bifurcation ratio	2.1549
Stream frequency	72.1420 per km ²
Relief	275.00 m
Drainage density	9.6120 km/km ²
Length of overland flow	52.019 m

CATCHMENT CLIMATOLOGY

