

Bhadar Dam

Location	21.8153° N, 70.7697° E
State	Gujarat
Nearest City	Gondal
Year of Completion	1964
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhadar
Dam Type	Other
Height above lowest foundation level	29.0 m
Dam length	4318.0 m
Reservoir Area	44000000.0 m ²
Gross storage capacity	238000000.0 m ³
Effective storage capacity	221000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1925.6 km ²
Perimeter of catchment	228.3 km
Basin Length	71978.0 m
Form factor	0.37167
Circularity ratio	0.46447
Elongation ratio	0.68768
Highest Stream order	8
Max elevation	302.0 m
Min elevation	78.0 m
Mean bifurcation ratio	2.2268
Stream frequency	72.6150 per km ²
Relief	224.00 m
Drainage density	9.6670 km/km ²
Length of overland flow	51.722 m

CATCHMENT CLIMATOLOGY

