

Bhadreshwar Dam

Location	22.9564° N, 69.9028° E
State	Gujarat
Nearest City	Mundra
Year of Completion	1979
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhadareshwar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.8 m
Dam length	2537.4 m
Reservoir Area	911459.0 m ²
Gross storage capacity	3527000.0 m ³
Effective storage capacity	2962000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	114.6 km ²
Perimeter of catchment	72.6 km
Basin Length	26474.0 m
Form factor	0.16356
Circularity ratio	0.27336
Elongation ratio	0.45619
Highest Stream order	6
Max elevation	237.0 m
Min elevation	24.0 m
Mean bifurcation ratio	2.0701
Stream frequency	74.6210 per km ²
Relief	213.00 m
Drainage density	9.9630 km/km ²
Length of overland flow	50.187 m

CATCHMENT CLIMATOLOGY

