

Bhimdad Dam

Location	22.0864° N, 71.5753° E
State	Gujarat
Nearest City	Gadhada
Year of Completion	1953
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Madhu
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.6 m
Dam length	716.0 m
Reservoir Area	3540000.0 m ²
Gross storage capacity	11070000.0 m ³
Effective storage capacity	11070000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	105.9 km ²
Perimeter of catchment	56.4 km
Basin Length	18337.0 m
Form factor	0.31483
Circularity ratio	0.41812
Elongation ratio	0.63292
Highest Stream order	7
Max elevation	190.0 m
Min elevation	89.0 m
Mean bifurcation ratio	2.1911
Stream frequency	73.9850 per km ²
Relief	101.00 m
Drainage density	9.9160 km/km ²
Length of overland flow	50.424 m

CATCHMENT CLIMATOLOGY

