

Bhanmer Dam

Location	23.8239° N, 73.3511° E
State	Gujarat
Nearest City	Bhiloda
Year of Completion	1986
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bhanmervangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.0 m
Dam length	510.0 m
Reservoir Area	28231.0 m ²
Gross storage capacity	416000.0 m ³
Effective storage capacity	387000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.7 km ²
Perimeter of catchment	7.6 km
Basin Length	2145.9 m
Form factor	0.57662
Circularity ratio	0.57525
Elongation ratio	0.85655
Highest Stream order	4
Max elevation	478.0 m
Min elevation	251.0 m
Mean bifurcation ratio	3.1789
Stream frequency	90.7640 per km ²
Relief	227.00 m
Drainage density	12.6950 km/km ²
Length of overland flow	39.387 m

CATCHMENT CLIMATOLOGY

