

Bhamirya Dam

Location	22.9633° N, 73.3147° E
State	Gujarat
Nearest City	Balasinor
Year of Completion	1962
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Vahela
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.8 m
Dam length	411.0 m
Reservoir Area	720000.0 m ²
Gross storage capacity	15300000.0 m ³
Effective storage capacity	12428000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.8 km ²
Perimeter of catchment	9.4 km
Basin Length	3276.0 m
Form factor	0.26517
Circularity ratio	0.40816
Elongation ratio	0.58086
Highest Stream order	4
Max elevation	114.0 m
Min elevation	85.0 m
Mean bifurcation ratio	2.9244
Stream frequency	68.1680 per km ²
Relief	29.00 m
Drainage density	7.8770 km/km ²
Length of overland flow	63.477 m

CATCHMENT CLIMATOLOGY

