

Sonmati Dam

Location	22.0500° N, 69.7667° E
State	Gujarat
Nearest City	Bhanvad
Year of Completion	1992
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sonmati
Dam Type	Other
Height above lowest foundation level	17.0 m
Dam length	2945.0 m
Reservoir Area	2000000.0 m ²
Gross storage capacity	4500000.0 m ³
Effective storage capacity	4400000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	61.9 km ²
Perimeter of catchment	35.3 km
Basin Length	11330.0 m
Form factor	0.48210
Circularity ratio	0.62535
Elongation ratio	0.78321
Highest Stream order	6
Max elevation	135.0 m
Min elevation	71.0 m
Mean bifurcation ratio	2.1444
Stream frequency	72.3090 per km ²
Relief	64.00 m
Drainage density	9.4860 km/km ²
Length of overland flow	52.710 m

CATCHMENT CLIMATOLOGY

Data not available.