

## Brahmani Dam

Location	22.8917° N, 71.1419° E
State	Gujarat
Nearest City	Halvad
Year of Completion	1953
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Brahmani
Dam Type	Other
Height above lowest foundation level	22.7 m
Dam length	2652.0 m
Reservoir Area	19140000.0 m <sup>2</sup>
Gross storage capacity	75000000.0 m <sup>3</sup>
Effective storage capacity	71000000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	348.3 km <sup>2</sup>
Perimeter of catchment	107.7 km
Basin Length	37801.0 m
Form factor	0.24372
Circularity ratio	0.37766
Elongation ratio	0.55687
Highest Stream order	7
Max elevation	149.0 m
Min elevation	46.0 m
Mean bifurcation ratio	2.0655
Stream frequency	72.4230 per km <sup>2</sup>
Relief	103.00 m
Drainage density	9.4710 km/km <sup>2</sup>
Length of overland flow	52.796 m

## CATCHMENT CLIMATOLOGY

