

## Serai Dam

Location	23.1606° N, 69.6042° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1951
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	1109.0 m
Reservoir Area	1657000.0 m <sup>2</sup>
Gross storage capacity	3821000.0 m <sup>3</sup>
Effective storage capacity	3660000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.4 km <sup>2</sup>
Perimeter of catchment	8.5 km
Basin Length	2935.4 m
Form factor	0.39132
Circularity ratio	0.57983
Elongation ratio	0.70562
Highest Stream order	4
Max elevation	223.0 m
Min elevation	167.0 m
Mean bifurcation ratio	3.2299
Stream frequency	82.4510 per km <sup>2</sup>
Relief	56.00 m
Drainage density	10.7670 km/km <sup>2</sup>
Length of overland flow	46.439 m

## CATCHMENT CLIMATOLOGY

