

Ratia Dam

Location	23.2736° N, 69.5967° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1948
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.5 m
Dam length	884.0 m
Reservoir Area	270921.0 m ²
Gross storage capacity	908000.0 m ³
Effective storage capacity	871000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.7 km ²
Perimeter of catchment	14.7 km
Basin Length	3758.4 m
Form factor	0.61694
Circularity ratio	0.50555
Elongation ratio	0.88599
Highest Stream order	5
Max elevation	185.0 m
Min elevation	108.0 m
Mean bifurcation ratio	3.2002
Stream frequency	82.9630 per km ²
Relief	77.00 m
Drainage density	11.1100 km/km ²
Length of overland flow	45.004 m

CATCHMENT CLIMATOLOGY

