

## Rajada Dam

Location	22.9647° N, 69.2839° E
State	Gujarat
Nearest City	Mandvi
Year of Completion	1946
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kharod
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.4 m
Dam length	1127.0 m
Reservoir Area	2090000.0 m <sup>2</sup>
Gross storage capacity	11640000.0 m <sup>3</sup>
Effective storage capacity	9930000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	271.3 km <sup>2</sup>
Perimeter of catchment	82.1 km
Basin Length	29885.0 m
Form factor	0.30373
Circularity ratio	0.50550
Elongation ratio	0.62166
Highest Stream order	7
Max elevation	401.0 m
Min elevation	30.0 m
Mean bifurcation ratio	2.2784
Stream frequency	75.6960 per km <sup>2</sup>
Relief	371.00 m
Drainage density	10.2320 km/km <sup>2</sup>
Length of overland flow	48.867 m

## CATCHMENT CLIMATOLOGY

