

## Gadhada- Rasaji Dam

Location	22.4900° N, 70.4950° E
State	Gujarat
Nearest City	Dhrol
Year of Completion	1979
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.6 m
Dam length	328.3 m
Reservoir Area	1321857.0 m <sup>2</sup>
Gross storage capacity	350000.0 m <sup>3</sup>
Effective storage capacity	350000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	31.4 km <sup>2</sup>
Perimeter of catchment	24.4 km
Basin Length	8561.9 m
Form factor	0.42816
Circularity ratio	0.66170
Elongation ratio	0.73809
Highest Stream order	5
Max elevation	89.0 m
Min elevation	54.0 m
Mean bifurcation ratio	2.1979
Stream frequency	70.8270 per km <sup>2</sup>
Relief	35.00 m
Drainage density	9.1090 km/km <sup>2</sup>
Length of overland flow	54.891 m

## CATCHMENT CLIMATOLOGY

