

## Rakhadi Dam

Location	23.4572° N, 68.6689° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1964
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rakhdi Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	2110.0 m
Reservoir Area	492000.0 m <sup>2</sup>
Gross storage capacity	2100000.0 m <sup>3</sup>
Effective storage capacity	1870000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.6 km <sup>2</sup>
Perimeter of catchment	34.7 km
Basin Length	13561.0 m
Form factor	0.19379
Circularity ratio	0.37113
Elongation ratio	0.49656
Highest Stream order	5
Max elevation	122.0 m
Min elevation	41.0 m
Mean bifurcation ratio	2.0533
Stream frequency	72.5060 per km <sup>2</sup>
Relief	81.00 m
Drainage density	9.5170 km/km <sup>2</sup>
Length of overland flow	52.537 m

## CATCHMENT CLIMATOLOGY

