

## Vadi Dam

Location	21.6281° N, 71.1653° E
State	Gujarat
Nearest City	Amreli
Year of Completion	2000
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Vadi
Dam Type	Other
Height above lowest foundation level	13.9 m
Dam length	6902.5 m
Reservoir Area	3788800.0 m <sup>2</sup>
Gross storage capacity	10620000.0 m <sup>3</sup>
Effective storage capacity	10412000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	119.9 km <sup>2</sup>
Perimeter of catchment	52.7 km
Basin Length	15780.0 m
Form factor	0.48141
Circularity ratio	0.54183
Elongation ratio	0.78265
Highest Stream order	7
Max elevation	189.0 m
Min elevation	126.0 m
Mean bifurcation ratio	2.3339
Stream frequency	68.8320 per km <sup>2</sup>
Relief	63.00 m
Drainage density	8.8120 km/km <sup>2</sup>
Length of overland flow	56.744 m

## CATCHMENT CLIMATOLOGY

