

## Kodoli Dam

Location	23.2672° N, 68.8311° E
State	Gujarat
Nearest City	Naliya
Year of Completion	1961
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.0 m
Dam length	808.0 m
Reservoir Area	121627.0 m <sup>2</sup>
Gross storage capacity	3406000.0 m <sup>3</sup>
Effective storage capacity	3283000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	80.2 km <sup>2</sup>
Perimeter of catchment	45.4 km
Basin Length	18313.0 m
Form factor	0.23913
Circularity ratio	0.48850
Elongation ratio	0.55160
Highest Stream order	6
Max elevation	75.0 m
Min elevation	15.0 m
Mean bifurcation ratio	2.4423
Stream frequency	71.7290 per km <sup>2</sup>
Relief	60.00 m
Drainage density	9.1560 km/km <sup>2</sup>
Length of overland flow	54.610 m

## CATCHMENT CLIMATOLOGY

