

## Nindka Dam

Location	23.1667° N, 74.0167° E
State	Gujarat
Nearest City	Santrampur
Year of Completion	1986
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.0 m
Dam length	100.0 m
Reservoir Area	400000.0 m <sup>2</sup>
Gross storage capacity	1787000.0 m <sup>3</sup>
Effective storage capacity	1425000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	84.6 km <sup>2</sup>
Perimeter of catchment	46.3 km
Basin Length	14090.0 m
Form factor	0.42603
Circularity ratio	0.49602
Elongation ratio	0.73626
Highest Stream order	7
Max elevation	338.0 m
Min elevation	176.0 m
Mean bifurcation ratio	2.4574
Stream frequency	76.1420 per km <sup>2</sup>
Relief	162.00 m
Drainage density	10.2570 km/km <sup>2</sup>
Length of overland flow	48.748 m

## CATCHMENT CLIMATOLOGY

