

## Loriya Dam

Location	23.4103° N, 69.6456° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1969
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	813.0 m
Reservoir Area	185000.0 m <sup>2</sup>
Gross storage capacity	568000.0 m <sup>3</sup>
Effective storage capacity	459000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.6 km <sup>2</sup>
Perimeter of catchment	19.7 km
Basin Length	7514.7 m
Form factor	0.18830
Circularity ratio	0.34525
Elongation ratio	0.48948
Highest Stream order	5
Max elevation	118.0 m
Min elevation	16.0 m
Mean bifurcation ratio	2.3171
Stream frequency	81.2520 per km <sup>2</sup>
Relief	102.00 m
Drainage density	11.0500 km/km <sup>2</sup>
Length of overland flow	45.247 m

## CATCHMENT CLIMATOLOGY

