

## Lilpar-li Dam

Location	23.5389° N, 70.6131° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1953
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Narelawali Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.4 m
Dam length	368.0 m
Reservoir Area	315541.0 m <sup>2</sup>
Gross storage capacity	1820000.0 m <sup>3</sup>
Effective storage capacity	1777000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	20.3 km <sup>2</sup>
Perimeter of catchment	23.4 km
Basin Length	9306.7 m
Form factor	0.23465
Circularity ratio	0.46626
Elongation ratio	0.54641
Highest Stream order	5
Max elevation	196.0 m
Min elevation	76.0 m
Mean bifurcation ratio	2.3019
Stream frequency	77.5440 per km <sup>2</sup>
Relief	120.00 m
Drainage density	10.4760 km/km <sup>2</sup>
Length of overland flow	47.728 m

## CATCHMENT CLIMATOLOGY

