

## Lalaka Dam

Location	21.9983° N, 71.3169° E
State	Gujarat
Nearest City	Babara
Year of Completion	2000
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	60.0 m
Dam length	500.0 m
Reservoir Area	181000.0 m <sup>2</sup>
Gross storage capacity	1455000.0 m <sup>3</sup>
Effective storage capacity	1301000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	22.8 km <sup>2</sup>
Perimeter of catchment	21.8 km
Basin Length	6006.0 m
Form factor	0.63073
Circularity ratio	0.60211
Elongation ratio	0.89584
Highest Stream order	5
Max elevation	253.0 m
Min elevation	185.0 m
Mean bifurcation ratio	2.3917
Stream frequency	76.5650 per km <sup>2</sup>
Relief	68.00 m
Drainage density	10.1800 km/km <sup>2</sup>
Length of overland flow	49.114 m

## CATCHMENT CLIMATOLOGY

