

Lalpari Dam

Location	22.3000° N, 70.8500° E
State	Gujarat
Nearest City	Rajkot
Year of Completion	1954
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Aji
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.9 m
Dam length	3431.7 m
Reservoir Area	6589000.0 m ²
Gross storage capacity	29090000.0 m ³
Effective storage capacity	28500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	77.6 km ²
Perimeter of catchment	43.4 km
Basin Length	15119.0 m
Form factor	0.33934
Circularity ratio	0.51817
Elongation ratio	0.65709
Highest Stream order	6
Max elevation	218.0 m
Min elevation	121.0 m
Mean bifurcation ratio	2.0805
Stream frequency	70.1580 per km ²
Relief	97.00 m
Drainage density	9.1140 km/km ²
Length of overland flow	54.861 m

CATCHMENT CLIMATOLOGY

