

Lodisar Dam

Location	23.6658° N, 73.9164° E
State	Rajasthan
Nearest City	Simal
Year of Completion	1983
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Mahi
River	Moran
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.2 m
Dam length	1960.0 m
Reservoir Area	3140000.0 m ²
Gross storage capacity	11950000.0 m ³
Effective storage capacity	10940000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	456.0 km ²
Perimeter of catchment	126.9 km
Basin Length	32212.0 m
Form factor	0.43945
Circularity ratio	0.35592
Elongation ratio	0.74777
Highest Stream order	7
Max elevation	377.0 m
Min elevation	153.0 m
Mean bifurcation ratio	2.2140
Stream frequency	69.8540 per km ²
Relief	224.00 m
Drainage density	8.9250 km/km ²
Length of overland flow	56.025 m

CATCHMENT CLIMATOLOGY

