

Lakhapadar Dam

Location	21.3036° N, 71.1731° E
State	Gujarat
Nearest City	Dhari
Year of Completion	1988
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Shell
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	1950000.0 m ²
Gross storage capacity	4003680.0 m ³
Effective storage capacity	3904800.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	97.8 km ²
Perimeter of catchment	49.0 km
Basin Length	15172.0 m
Form factor	0.42470
Circularity ratio	0.51265
Elongation ratio	0.73510
Highest Stream order	6
Max elevation	377.0 m
Min elevation	171.0 m
Mean bifurcation ratio	2.3888
Stream frequency	70.7730 per km ²
Relief	206.00 m
Drainage density	9.3080 km/km ²
Length of overland flow	53.718 m

CATCHMENT CLIMATOLOGY

