

Ler Dam

Location	23.1942° N, 69.7586° E
State	Gujarat
Nearest City	Bhuj
Year of Completion	1939
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Pat
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	366.0 m
Reservoir Area	476000.0 m ²
Gross storage capacity	1610000.0 m ³
Effective storage capacity	1576000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.4 km ²
Perimeter of catchment	22.2 km
Basin Length	7093.8 m
Form factor	0.34555
Circularity ratio	0.44173
Elongation ratio	0.66308
Highest Stream order	5
Max elevation	240.0 m
Min elevation	124.0 m
Mean bifurcation ratio	2.4662
Stream frequency	84.4810 per km ²
Relief	116.00 m
Drainage density	11.9660 km/km ²
Length of overland flow	41.784 m

CATCHMENT CLIMATOLOGY

