

Lilpur-I Dam

Location	23.5306° N, 70.6272° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1941
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Lilpur
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.8 m
Dam length	472.0 m
Reservoir Area	61609.0 m ²
Gross storage capacity	1850000.0 m ³
Effective storage capacity	1785000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	20.3 km ²
Perimeter of catchment	21.7 km
Basin Length	7359.1 m
Form factor	0.37542
Circularity ratio	0.54441
Elongation ratio	0.69115
Highest Stream order	5
Max elevation	189.0 m
Min elevation	82.0 m
Mean bifurcation ratio	2.4207
Stream frequency	80.9570 per km ²
Relief	107.00 m
Drainage density	10.9170 km/km ²
Length of overland flow	45.800 m

CATCHMENT CLIMATOLOGY

