

Rupavati Dam

Location	22.1811° N, 69.9767° E
State	Gujarat
Nearest City	Lalpur
Year of Completion	2001
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rupavati
Dam Type	Earthfill Embankment
Height above lowest foundation level	8.8 m
Dam length	2006.0 m
Reservoir Area	1480000.0 m ²
Gross storage capacity	2750000.0 m ³
Effective storage capacity	2620000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	38.0 km ²
Perimeter of catchment	36.4 km
Basin Length	14993.0 m
Form factor	0.16927
Circularity ratio	0.36008
Elongation ratio	0.46408
Highest Stream order	5
Max elevation	207.0 m
Min elevation	71.0 m
Mean bifurcation ratio	2.1214
Stream frequency	75.2490 per km ²
Relief	136.00 m
Drainage density	10.0940 km/km ²
Length of overland flow	49.535 m

CATCHMENT CLIMATOLOGY

