

Ludva Dam

Location	23.1275° N, 69.3992° E
State	Gujarat
Nearest City	Mandvi
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Mandvi
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.7 m
Dam length	980.0 m
Reservoir Area	380000.0 m ²
Gross storage capacity	910000.0 m ³
Effective storage capacity	790000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	14.3 km ²
Perimeter of catchment	20.0 km
Basin Length	7452.9 m
Form factor	0.25697
Circularity ratio	0.44913
Elongation ratio	0.57181
Highest Stream order	5
Max elevation	246.0 m
Min elevation	143.0 m
Mean bifurcation ratio	2.1952
Stream frequency	79.3070 per km ²
Relief	103.00 m
Drainage density	10.6490 km/km ²
Length of overland flow	46.954 m

CATCHMENT CLIMATOLOGY

