

Kadana Dam

Location	23.3069° N, 73.8239° E
State	Gujarat
Nearest City	Santrampur
Year of Completion	1979
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Mahi
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	166000000.0 m ²
Gross storage capacity	1542000000.0 m ³
Effective storage capacity	1203000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	25966.0 km ²
Perimeter of catchment	1035.4 km
Basin Length	169180.0 m
Form factor	0.90725
Circularity ratio	0.30444
Elongation ratio	1.07440
Highest Stream order	10
Max elevation	998.0 m
Min elevation	71.0 m
Mean bifurcation ratio	2.3881
Stream frequency	73.8590 per km ²
Relief	927.00 m
Drainage density	9.8560 km/km ²
Length of overland flow	50.732 m

CATCHMENT CLIMATOLOGY

