

Kotda Dam

Location	22.1833° N, 71.3667° E
State	Gujarat
Nearest City	Jasdan
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tsb
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	1100.0 m
Reservoir Area	520000.0 m ²
Gross storage capacity	1390000.0 m ³
Effective storage capacity	1150000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.5 km ²
Perimeter of catchment	14.5 km
Basin Length	5770.6 m
Form factor	0.28605
Circularity ratio	0.57323
Elongation ratio	0.60330
Highest Stream order	5
Max elevation	297.0 m
Min elevation	180.0 m
Mean bifurcation ratio	2.3422
Stream frequency	79.8910 per km ²
Relief	117.00 m
Drainage density	10.7090 km/km ²
Length of overland flow	46.692 m

CATCHMENT CLIMATOLOGY

