

Wangiwad Dam

Location	22.9753° N, 74.1517° E
State	Gujarat
Nearest City	Zhalod
Year of Completion	1948
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	84.0 m
Reservoir Area	70000.0 m ²
Gross storage capacity	1020000.0 m ³
Effective storage capacity	980000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.4 km ²
Perimeter of catchment	17.6 km
Basin Length	6790.3 m
Form factor	0.33349
Circularity ratio	0.62237
Elongation ratio	0.65141
Highest Stream order	5
Max elevation	371.0 m
Min elevation	285.0 m
Mean bifurcation ratio	2.4512
Stream frequency	76.6090 per km ²
Relief	86.00 m
Drainage density	10.2440 km/km ²
Length of overland flow	48.811 m

CATCHMENT CLIMATOLOGY

