

Orvada Dam

Location	22.7122° N, 73.4500° E
State	Gujarat
Nearest City	Godhara
Year of Completion	Not Available
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Local Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	1333.0 m
Reservoir Area	511110.0 m ²
Gross storage capacity	1190000.0 m ³
Effective storage capacity	820000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	302.9 km ²
Perimeter of catchment	89.9 km
Basin Length	33649.0 m
Form factor	0.26750
Circularity ratio	0.47104
Elongation ratio	0.58341
Highest Stream order	7
Max elevation	188.0 m
Min elevation	65.0 m
Mean bifurcation ratio	2.7575
Stream frequency	70.8290 per km ²
Relief	123.00 m
Drainage density	9.2260 km/km ²
Length of overland flow	54.197 m

CATCHMENT CLIMATOLOGY

