

## Debhari Dam

Location	23.2544° N, 73.5061° E
State	Gujarat
Nearest City	Vadasinor
Year of Completion	1985
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Vahela
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.6 m
Dam length	240.0 m
Reservoir Area	110000.0 m <sup>2</sup>
Gross storage capacity	4117000.0 m <sup>3</sup>
Effective storage capacity	3993000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.4 km <sup>2</sup>
Perimeter of catchment	7.3 km
Basin Length	2180.6 m
Form factor	0.50713
Circularity ratio	0.57306
Elongation ratio	0.80328
Highest Stream order	4
Max elevation	172.0 m
Min elevation	119.0 m
Mean bifurcation ratio	5.2147
Stream frequency	74.2300 per km <sup>2</sup>
Relief	53.00 m
Drainage density	9.3880 km/km <sup>2</sup>
Length of overland flow	53.262 m

## CATCHMENT CLIMATOLOGY

