

Bordi Dam

Location	23.5297° N, 73.1803° E
State	Gujarat
Nearest City	Modasa
Year of Completion	1980
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Vangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	240.0 m
Reservoir Area	2373.0 m ²
Gross storage capacity	174000.0 m ³
Effective storage capacity	174000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.7 km ²
Perimeter of catchment	9.8 km
Basin Length	3538.6 m
Form factor	0.37432
Circularity ratio	0.61626
Elongation ratio	0.69013
Highest Stream order	4
Max elevation	208.0 m
Min elevation	137.0 m
Mean bifurcation ratio	2.7649
Stream frequency	83.4170 per km ²
Relief	71.00 m
Drainage density	10.7880 km/km ²
Length of overland flow	46.350 m

CATCHMENT CLIMATOLOGY

