

Bagad Dam

Location	21.2931° N, 71.8944° E
State	Gujarat
Nearest City	Mahuva
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bagad
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.4 m
Dam length	2104.0 m
Reservoir Area	4890000.0 m ²
Gross storage capacity	11180000.0 m ³
Effective storage capacity	9670000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	66.1 km ²
Perimeter of catchment	44.2 km
Basin Length	14571.0 m
Form factor	0.31113
Circularity ratio	0.42574
Elongation ratio	0.62918
Highest Stream order	6
Max elevation	319.0 m
Min elevation	43.0 m
Mean bifurcation ratio	2.2087
Stream frequency	70.9520 per km ²
Relief	276.00 m
Drainage density	9.2220 km/km ²
Length of overland flow	54.220 m

CATCHMENT CLIMATOLOGY

