

Bhadar Dam

Location	23.3256° N, 73.6911° E
State	Gujarat
Nearest City	Lunawada
Year of Completion	1985
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Bhadar
Dam Type	Other
Height above lowest foundation level	45.8 m
Dam length	1412.0 m
Reservoir Area	5450000.0 m ²
Gross storage capacity	238000000.0 m ³
Effective storage capacity	221000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	385.2 km ²
Perimeter of catchment	117.7 km
Basin Length	41757.0 m
Form factor	0.22092
Circularity ratio	0.34962
Elongation ratio	0.53019
Highest Stream order	7
Max elevation	275.0 m
Min elevation	98.0 m
Mean bifurcation ratio	2.1404
Stream frequency	71.1550 per km ²
Relief	177.00 m
Drainage density	9.3030 km/km ²
Length of overland flow	53.747 m

CATCHMENT CLIMATOLOGY

