

Bhatia Dam

Location	23.7814° N, 74.4747° E
State	Rajasthan
Nearest City	Ghatol
Year of Completion	1987
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Mahi
River	Local Nallah
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.3 m
Dam length	284.0 m
Reservoir Area	2790000.0 m ²
Gross storage capacity	10800000.0 m ³
Effective storage capacity	990000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.3 km ²
Perimeter of catchment	11.6 km
Basin Length	4256.1 m
Form factor	0.34747
Circularity ratio	0.59002
Elongation ratio	0.66492
Highest Stream order	4
Max elevation	398.0 m
Min elevation	235.0 m
Mean bifurcation ratio	2.4040
Stream frequency	73.5610 per km ²
Relief	163.00 m
Drainage density	9.6030 km/km ²
Length of overland flow	52.065 m

CATCHMENT CLIMATOLOGY

