

## Morwania Dam

Location	23.7619° N, 74.5703° E
State	Rajasthan
Nearest City	Ghatol
Year of Completion	1982
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Mahi
River	Local Nallah
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.1 m
Dam length	453.8 m
Reservoir Area	105140.0 m <sup>2</sup>
Gross storage capacity	1140000.0 m <sup>3</sup>
Effective storage capacity	1080000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.8 km <sup>2</sup>
Perimeter of catchment	11.4 km
Basin Length	3698.7 m
Form factor	0.49593
Circularity ratio	0.65823
Elongation ratio	0.79436
Highest Stream order	5
Max elevation	406.0 m
Min elevation	212.0 m
Mean bifurcation ratio	2.4363
Stream frequency	79.1490 per km <sup>2</sup>
Relief	194.00 m
Drainage density	10.6280 km/km <sup>2</sup>
Length of overland flow	47.048 m

## CATCHMENT CLIMATOLOGY

