

## Morel Dam

Location	26.4467° N, 76.3375° E
State	Rajasthan
Nearest City	Bonali
Year of Completion	1959
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Morel
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.5 m
Dam length	805.0 m
Reservoir Area	15670000.0 m <sup>2</sup>
Gross storage capacity	76635000.0 m <sup>3</sup>
Effective storage capacity	70710000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3439.6 km <sup>2</sup>
Perimeter of catchment	332.3 km
Basin Length	95586.0 m
Form factor	0.37646
Circularity ratio	0.39150
Elongation ratio	0.69210
Highest Stream order	9
Max elevation	637.0 m
Min elevation	246.0 m
Mean bifurcation ratio	2.2324
Stream frequency	72.5160 per km <sup>2</sup>
Relief	391.00 m
Drainage density	9.2690 km/km <sup>2</sup>
Length of overland flow	53.941 m

## CATCHMENT CLIMATOLOGY

