

## Umariya Dam

Location	21.9214° N, 78.8711° E
State	Madhya Pradesh
Nearest City	Dhar
Year of Completion	1978
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Godavari
River	Chhind Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	507.6 m
Reservoir Area	630000.0 m <sup>2</sup>
Gross storage capacity	2480000.0 m <sup>3</sup>
Effective storage capacity	2120000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.7 km <sup>2</sup>
Perimeter of catchment	25.5 km
Basin Length	9711.7 m
Form factor	0.18765
Circularity ratio	0.34133
Elongation ratio	0.48864
Highest Stream order	5
Max elevation	771.0 m
Min elevation	639.0 m
Mean bifurcation ratio	2.3575
Stream frequency	77.6900 per km <sup>2</sup>
Relief	132.00 m
Drainage density	10.7920 km/km <sup>2</sup>
Length of overland flow	46.329 m

## CATCHMENT CLIMATOLOGY

