

## Madarniya Dam

Location	21.9792° N, 75.3814° E
State	Madhya Pradesh
Nearest City	Khargone
Year of Completion	1982
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.8 m
Dam length	784.0 m
Reservoir Area	391000.0 m <sup>2</sup>
Gross storage capacity	1621000.0 m <sup>3</sup>
Effective storage capacity	1459000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.4 km <sup>2</sup>
Perimeter of catchment	14.0 km
Basin Length	4144.0 m
Form factor	0.54920
Circularity ratio	0.60377
Elongation ratio	0.83594
Highest Stream order	5
Max elevation	289.0 m
Min elevation	212.0 m
Mean bifurcation ratio	2.1896
Stream frequency	75.3890 per km <sup>2</sup>
Relief	77.00 m
Drainage density	9.7360 km/km <sup>2</sup>
Length of overland flow	51.355 m

## CATCHMENT CLIMATOLOGY

