

Motipura Dam

Location	23.3400° N, 75.7431° E
State	Madhya Pradesh
Nearest City	Ujjain
Year of Completion	1984
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.8 m
Dam length	840.0 m
Reservoir Area	269000.0 m ²
Gross storage capacity	850000.0 m ³
Effective storage capacity	776000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.8 km ²
Perimeter of catchment	10.2 km
Basin Length	3444.2 m
Form factor	0.48817
Circularity ratio	0.69301
Elongation ratio	0.78812
Highest Stream order	5
Max elevation	510.0 m
Min elevation	478.0 m
Mean bifurcation ratio	3.7467
Stream frequency	76.6710 per km ²
Relief	32.00 m
Drainage density	10.1560 km/km ²
Length of overland flow	49.230 m

CATCHMENT CLIMATOLOGY

