

Simariya No.1 Dam

Location	25.9911° N, 77.9958° E
State	Madhya Pradesh
Nearest City	Dabra
Year of Completion	1976
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Jamdiaro Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.2 m
Dam length	2610.0 m
Reservoir Area	9710000.0 m ²
Gross storage capacity	4308000.0 m ³
Effective storage capacity	4150000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	20.1 km ²
Perimeter of catchment	23.8 km
Basin Length	8347.0 m
Form factor	0.28852
Circularity ratio	0.44478
Elongation ratio	0.60590
Highest Stream order	5
Max elevation	400.0 m
Min elevation	253.0 m
Mean bifurcation ratio	2.3498
Stream frequency	80.2900 per km ²
Relief	147.00 m
Drainage density	10.8380 km/km ²
Length of overland flow	46.136 m

CATCHMENT CLIMATOLOGY

