

Nagda Dam

Location	22.9083° N, 76.0583° E
State	Madhya Pradesh
Nearest City	Dewas
Year of Completion	1977
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Shipra
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.7 m
Dam length	1590.0 m
Reservoir Area	80000.0 m ²
Gross storage capacity	2586000.0 m ³
Effective storage capacity	2328000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.6 km ²
Perimeter of catchment	13.3 km
Basin Length	2990.5 m
Form factor	0.95753
Circularity ratio	0.60513
Elongation ratio	1.10380
Highest Stream order	5
Max elevation	687.0 m
Min elevation	547.0 m
Mean bifurcation ratio	2.8760
Stream frequency	83.3810 per km ²
Relief	140.00 m
Drainage density	11.7540 km/km ²
Length of overland flow	42.538 m

CATCHMENT CLIMATOLOGY

