

Gawala Dam

Location	22.2194° N, 75.5911° E
State	Madhya Pradesh
Nearest City	Maheshwar
Year of Completion	1979
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Karondiya Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.7 m
Dam length	168.0 m
Reservoir Area	632000.0 m ²
Gross storage capacity	1975000.0 m ³
Effective storage capacity	1690000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.9 km ²
Perimeter of catchment	17.7 km
Basin Length	7181.0 m
Form factor	0.26975
Circularity ratio	0.55978
Elongation ratio	0.58585
Highest Stream order	5
Max elevation	248.0 m
Min elevation	176.0 m
Mean bifurcation ratio	2.0968
Stream frequency	72.9690 per km ²
Relief	72.00 m
Drainage density	9.5810 km/km ²
Length of overland flow	52.188 m

CATCHMENT CLIMATOLOGY

