

Laduna Dam

Location	23.9839° N, 75.3439° E
State	Madhya Pradesh
Nearest City	Sitamau
Year of Completion	1988
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.9 m
Dam length	1410.0 m
Reservoir Area	1164000.0 m ²
Gross storage capacity	2963000.0 m ³
Effective storage capacity	1812000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.6 km ²
Perimeter of catchment	11.7 km
Basin Length	3993.8 m
Form factor	0.47489
Circularity ratio	0.69894
Elongation ratio	0.77733
Highest Stream order	4
Max elevation	488.0 m
Min elevation	448.0 m
Mean bifurcation ratio	3.0215
Stream frequency	82.7740 per km ²
Relief	40.00 m
Drainage density	11.4110 km/km ²
Length of overland flow	43.818 m

CATCHMENT CLIMATOLOGY

