

Gadola Dam

Location	24.1306° N, 74.8325° E
State	Rajasthan
Nearest City	Pratapgarh
Year of Completion	1964
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.0 m
Dam length	1650.0 m
Reservoir Area	2150000.0 m ²
Gross storage capacity	5070000.0 m ³
Effective storage capacity	4980000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	33.9 km ²
Perimeter of catchment	24.2 km
Basin Length	8208.1 m
Form factor	0.50317
Circularity ratio	0.72835
Elongation ratio	0.80014
Highest Stream order	6
Max elevation	528.0 m
Min elevation	478.0 m
Mean bifurcation ratio	7.1156
Stream frequency	77.4630 per km ²
Relief	50.00 m
Drainage density	10.6770 km/km ²
Length of overland flow	46.828 m

CATCHMENT CLIMATOLOGY

