

Patiyal Dam

Location	25.2100° N, 75.2406° E
State	Rajasthan
Nearest City	Mandalgarh
Year of Completion	1992
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Banas
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	765.0 m
Reservoir Area	380000.0 m ²
Gross storage capacity	1708000.0 m ³
Effective storage capacity	1529000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	92.5 km ²
Perimeter of catchment	46.7 km
Basin Length	13298.0 m
Form factor	0.52284
Circularity ratio	0.53258
Elongation ratio	0.81563
Highest Stream order	6
Max elevation	567.0 m
Min elevation	393.0 m
Mean bifurcation ratio	2.2105
Stream frequency	81.3640 per km ²
Relief	174.00 m
Drainage density	11.2560 km/km ²
Length of overland flow	44.420 m

CATCHMENT CLIMATOLOGY

