

Panghatiya Dam

Location	25.8775° N, 74.4194° E
State	Rajasthan
Nearest City	Mandalgarh
Year of Completion	1984
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	210.0 m
Reservoir Area	1130000.0 m ²
Gross storage capacity	1274000.0 m ³
Effective storage capacity	1133000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	136.9 km ²
Perimeter of catchment	71.4 km
Basin Length	23515.0 m
Form factor	0.24755
Circularity ratio	0.33725
Elongation ratio	0.56123
Highest Stream order	6
Max elevation	736.0 m
Min elevation	436.0 m
Mean bifurcation ratio	2.1132
Stream frequency	71.3120 per km ²
Relief	300.00 m
Drainage density	9.0310 km/km ²
Length of overland flow	55.365 m

CATCHMENT CLIMATOLOGY

