

Nandsamand Dam

Location	24.9272° N, 73.7811° E
State	Rajasthan
Nearest City	Nathdwara
Year of Completion	1958
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Banas
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.4 m
Dam length	1292.0 m
Reservoir Area	4400000.0 m ²
Gross storage capacity	21220000.0 m ³
Effective storage capacity	20630000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	862.4 km ²
Perimeter of catchment	171.8 km
Basin Length	44596.0 m
Form factor	0.43362
Circularity ratio	0.36729
Elongation ratio	0.74278
Highest Stream order	7
Max elevation	1267.0 m
Min elevation	556.0 m
Mean bifurcation ratio	2.1644
Stream frequency	76.3700 per km ²
Relief	711.00 m
Drainage density	10.2280 km/km ²
Length of overland flow	48.888 m

CATCHMENT CLIMATOLOGY

