

Nachan Dam

Location	23.6173° N, 87.3215° E
State	West Bengal
Nearest City	Durgapur
Year of Completion	1977
Operated and Maintained by	West Bengal Water Resources Department
River Basin	Ganga
River	Nachankandar.
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	853.0 m
Reservoir Area	174000.0 m ²
Gross storage capacity	961000.0 m ³
Effective storage capacity	886000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.6 km ²
Perimeter of catchment	10.8 km
Basin Length	4010.1 m
Form factor	0.34758
Circularity ratio	0.60171
Elongation ratio	0.66502
Highest Stream order	4
Max elevation	119.0 m
Min elevation	85.0 m
Mean bifurcation ratio	2.9892
Stream frequency	76.5730 per km ²
Relief	34.00 m
Drainage density	10.0680 km/km ²
Length of overland flow	49.661 m

CATCHMENT CLIMATOLOGY

