

Nawangaon Dam

Location	21.3803° N, 81.9447° E
State	Chhattisgarh
Nearest City	Raipur
Year of Completion	1961
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.1 m
Dam length	1415.0 m
Reservoir Area	27800.0 m ²
Gross storage capacity	3937000.0 m ³
Effective storage capacity	1130000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.8 km ²
Perimeter of catchment	7.6 km
Basin Length	2545.7 m
Form factor	0.43838
Circularity ratio	0.62318
Elongation ratio	0.74685
Highest Stream order	4
Max elevation	307.0 m
Min elevation	288.0 m
Mean bifurcation ratio	1.9793
Stream frequency	70.0480 per km ²
Relief	19.00 m
Drainage density	8.5260 km/km ²
Length of overland flow	58.642 m

CATCHMENT CLIMATOLOGY

