

Pipriya Nalla Dam

Location	21.5419° N, 80.9275° E
State	Chhattisgarh
Nearest City	Rajnandgaon
Year of Completion	1986
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Pipariya Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	1953.0 m
Reservoir Area	7663000.0 m ²
Gross storage capacity	45700000.0 m ³
Effective storage capacity	40560000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	129.9 km ²
Perimeter of catchment	60.2 km
Basin Length	18661.0 m
Form factor	0.37314
Circularity ratio	0.45102
Elongation ratio	0.68904
Highest Stream order	7
Max elevation	806.0 m
Min elevation	367.0 m
Mean bifurcation ratio	2.9082
Stream frequency	78.1690 per km ²
Relief	439.00 m
Drainage density	10.8320 km/km ²
Length of overland flow	46.159 m

CATCHMENT CLIMATOLOGY

