

Chourasiya Dam

Location	22.0878° N, 82.1611° E
State	Chhattisgarh
Nearest City	Bilaspur
Year of Completion	1968
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	1097.0 m
Reservoir Area	645000.0 m ²
Gross storage capacity	1756000.0 m ³
Effective storage capacity	1618000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1913.1 km ²
Perimeter of catchment	321.6 km
Basin Length	91248.0 m
Form factor	0.22976
Circularity ratio	0.23245
Elongation ratio	0.54069
Highest Stream order	8
Max elevation	1132.0 m
Min elevation	258.0 m
Mean bifurcation ratio	2.3778
Stream frequency	75.6800 per km ²
Relief	874.00 m
Drainage density	10.3480 km/km ²
Length of overland flow	48.317 m

CATCHMENT CLIMATOLOGY

