

Mayana Dam

Location	20.4178° N, 81.2811° E
State	Chhattisgarh
Nearest City	Kanker
Year of Completion	1977
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Naini Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.3 m
Dam length	1311.0 m
Reservoir Area	1563000.0 m ²
Gross storage capacity	5982000.0 m ³
Effective storage capacity	5600000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.3 km ²
Perimeter of catchment	18.0 km
Basin Length	5633.2 m
Form factor	0.48278
Circularity ratio	0.59621
Elongation ratio	0.78376
Highest Stream order	5
Max elevation	508.0 m
Min elevation	396.0 m
Mean bifurcation ratio	2.3007
Stream frequency	72.9100 per km ²
Relief	112.00 m
Drainage density	9.5980 km/km ²
Length of overland flow	52.097 m

CATCHMENT CLIMATOLOGY

