

Hirakud Dam

Location	21.5364° N, 83.8731° E
State	Odisha
Nearest City	Sambalpur
Year of Completion	1956
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Mahanadi River
Dam Type	Arch
Height above lowest foundation level	61.0 m
Dam length	4800.0 m
Reservoir Area	743000000.0 m ²
Gross storage capacity	8136000000.0 m ³
Effective storage capacity	5818000000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	72214.0 km ²
Perimeter of catchment	2021.0 km
Basin Length	395220.0 m
Form factor	0.46232
Circularity ratio	0.22223
Elongation ratio	0.76697
Highest Stream order	11
Max elevation	1141.0 m
Min elevation	130.0 m
Mean bifurcation ratio	2.1939
Stream frequency	71.8510 per km ²
Relief	1011.00 m
Drainage density	9.6210 km/km ²
Length of overland flow	51.969 m

CATCHMENT CLIMATOLOGY

