

Tilaiya Dam

Location	24.3244° N, 85.5214° E
State	Jharkhand
Nearest City	Koderma
Year of Completion	1953
Operated and Maintained by	Damodar Valley Corporation
River Basin	Subarnarekha
River	Barakar
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	59080000.0 m ²
Gross storage capacity	380710000.0 m ³
Effective storage capacity	305930000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	960.9 km ²
Perimeter of catchment	169.1 km
Basin Length	41569.0 m
Form factor	0.55606
Circularity ratio	0.42258
Elongation ratio	0.84115
Highest Stream order	8
Max elevation	703.0 m
Min elevation	350.0 m
Mean bifurcation ratio	2.2028
Stream frequency	75.3560 per km ²
Relief	353.00 m
Drainage density	10.1560 km/km ²
Length of overland flow	49.232 m

CATCHMENT CLIMATOLOGY

