

Salaiya Dam

Location	24.1897° N, 85.5881° E
State	Jharkhand
Nearest City	Koderma
Year of Completion	Not Available
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Subarnarekha
River	Barsoti
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.6 m
Dam length	990.0 m
Reservoir Area	90773.0 m ²
Gross storage capacity	22820000.0 m ³
Effective storage capacity	19060000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	73.1 km ²
Perimeter of catchment	41.4 km
Basin Length	15473.0 m
Form factor	0.30532
Circularity ratio	0.53487
Elongation ratio	0.62329
Highest Stream order	6
Max elevation	600.0 m
Min elevation	368.0 m
Mean bifurcation ratio	2.1607
Stream frequency	71.6870 per km ²
Relief	232.00 m
Drainage density	9.3620 km/km ²
Length of overland flow	53.406 m

CATCHMENT CLIMATOLOGY

