

Sudhari Nala Dam

Location	24.3428° N, 84.8786° E
State	Jharkhand
Nearest City	Chatra
Year of Completion	Not Available
Operated and Maintained by	Jharkhand Water Resources Department
River Basin	Ganga
River	Sudhari Nala.
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.5 m
Dam length	396.3 m
Reservoir Area	44174.0 m ²
Gross storage capacity	1380000.0 m ³
Effective storage capacity	1110000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.8 km ²
Perimeter of catchment	12.0 km
Basin Length	3971.3 m
Form factor	0.43145
Circularity ratio	0.58929
Elongation ratio	0.74092
Highest Stream order	5
Max elevation	413.0 m
Min elevation	227.0 m
Mean bifurcation ratio	2.6539
Stream frequency	83.9170 per km ²
Relief	186.00 m
Drainage density	11.3660 km/km ²
Length of overland flow	43.991 m

CATCHMENT CLIMATOLOGY

