

Satgharwa (N.F) Dam

Location	24.7281° N, 85.0131° E
State	Bihar
Nearest City	Munger
Year of Completion	1976
Operated and Maintained by	Bihar Water Resources Department
River Basin	Ganga
River	Satgharwa
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.2 m
Dam length	266.7 m
Reservoir Area	360000.0 m ²
Gross storage capacity	1830000.0 m ³
Effective storage capacity	1695000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3081.5 km ²
Perimeter of catchment	332.1 km
Basin Length	95388.0 m
Form factor	0.33867
Circularity ratio	0.35122
Elongation ratio	0.65644
Highest Stream order	9
Max elevation	720.0 m
Min elevation	113.0 m
Mean bifurcation ratio	98.4490
Stream frequency	73.5610 per km ²
Relief	607.00 m
Drainage density	9.7470 km/km ²
Length of overland flow	51.296 m

CATCHMENT CLIMATOLOGY

