

Yashvant Sagar Dam

Location	22.8244° N, 75.6939° E
State	Madhya Pradesh
Nearest City	Sanwer
Year of Completion	1939
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Gambhir
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.0 m
Dam length	1850.0 m
Reservoir Area	485500.0 m ²
Gross storage capacity	15963000.0 m ³
Effective storage capacity	14650000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	497.4 km ²
Perimeter of catchment	136.2 km
Basin Length	43258.0 m
Form factor	0.26579
Circularity ratio	0.33707
Elongation ratio	0.58154
Highest Stream order	7
Max elevation	793.0 m
Min elevation	508.0 m
Mean bifurcation ratio	3.7719
Stream frequency	75.7430 per km ²
Relief	285.00 m
Drainage density	10.2980 km/km ²
Length of overland flow	48.552 m

CATCHMENT CLIMATOLOGY

