

Guradia Surdas Dam

Location	23.1567° N, 76.3036° E
State	Madhya Pradesh
Nearest City	Sonkach
Year of Completion	1997
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Kalisindh
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.6 m
Dam length	425.0 m
Reservoir Area	532000.0 m ²
Gross storage capacity	3180000.0 m ³
Effective storage capacity	2911000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.3 km ²
Perimeter of catchment	13.0 km
Basin Length	4745.4 m
Form factor	0.37055
Circularity ratio	0.61934
Elongation ratio	0.68665
Highest Stream order	5
Max elevation	536.0 m
Min elevation	483.0 m
Mean bifurcation ratio	3.9142
Stream frequency	74.8990 per km ²
Relief	53.00 m
Drainage density	9.8210 km/km ²
Length of overland flow	50.913 m

CATCHMENT CLIMATOLOGY

