

Guradiat Project Dam

Location	23.1669° N, 76.3125° E
State	Madhya Pradesh
Nearest City	Sonkach
Year of Completion	1997
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	267.0 m
Reservoir Area	240000.0 m ²
Gross storage capacity	1031000.0 m ³
Effective storage capacity	811000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.6 km ²
Perimeter of catchment	7.8 km
Basin Length	2062.1 m
Form factor	0.83958
Circularity ratio	0.74469
Elongation ratio	1.03360
Highest Stream order	4
Max elevation	523.0 m
Min elevation	481.0 m
Mean bifurcation ratio	2.7287
Stream frequency	74.2310 per km ²
Relief	42.00 m
Drainage density	9.6170 km/km ²
Length of overland flow	51.992 m

CATCHMENT CLIMATOLOGY

