

Hirapur Dam

Location	23.6153° N, 78.7828° E
State	Madhya Pradesh
Nearest City	Sagar
Year of Completion	1984
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Dehar Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.7 m
Dam length	762.2 m
Reservoir Area	742000.0 m ²
Gross storage capacity	1588000.0 m ³
Effective storage capacity	1488000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.8 km ²
Perimeter of catchment	6.9 km
Basin Length	2087.3 m
Form factor	0.64833
Circularity ratio	0.73928
Elongation ratio	0.90825
Highest Stream order	4
Max elevation	581.0 m
Min elevation	505.0 m
Mean bifurcation ratio	2.6494
Stream frequency	88.5090 per km ²
Relief	76.00 m
Drainage density	12.1060 km/km ²
Length of overland flow	41.303 m

CATCHMENT CLIMATOLOGY

