

Hasdeo Barrage Dam

Location	22.0661° N, 82.6311° E
State	Chhattisgarh
Nearest City	Korba
Year of Completion	1967
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Hasdeo
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.1 m
Dam length	283.8 m
Reservoir Area	25900000.0 m ²
Gross storage capacity	80100000.0 m ³
Effective storage capacity	80100000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9585.0 km ²
Perimeter of catchment	609.6 km
Basin Length	180310.0 m
Form factor	0.29481
Circularity ratio	0.32420
Elongation ratio	0.61246
Highest Stream order	10
Max elevation	1108.0 m
Min elevation	225.0 m
Mean bifurcation ratio	2.1245
Stream frequency	76.6370 per km ²
Relief	883.00 m
Drainage density	10.5030 km/km ²
Length of overland flow	47.608 m

CATCHMENT CLIMATOLOGY

