

Madhabinalla M.I.P Dam

Location	21.8181° N, 86.6667° E
State	Odisha
Nearest City	Baripada
Year of Completion	2002
Operated and Maintained by	Odisha Water Resources Department
River Basin	Subarnarekha
River	Madhabinalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.8 m
Dam length	594.0 m
Reservoir Area	364000.0 m ²
Gross storage capacity	1033000.0 m ³
Effective storage capacity	710000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.3 km ²
Perimeter of catchment	31.2 km
Basin Length	11942.0 m
Form factor	0.24784
Circularity ratio	0.45693
Elongation ratio	0.56156
Highest Stream order	6
Max elevation	546.0 m
Min elevation	33.0 m
Mean bifurcation ratio	4.6682
Stream frequency	77.6330 per km ²
Relief	513.00 m
Drainage density	10.6270 km/km ²
Length of overland flow	47.051 m

CATCHMENT CLIMATOLOGY

