

Bargaonmal M.I.P Dam

Location	22.1358° N, 83.8392° E
State	Odisha
Nearest City	Sundergarh
Year of Completion	2006
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Dungajorenalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.1 m
Dam length	750.0 m
Reservoir Area	45530.0 m ²
Gross storage capacity	2750000.0 m ³
Effective storage capacity	2250000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.7 km ²
Perimeter of catchment	22.4 km
Basin Length	6345.7 m
Form factor	0.48881
Circularity ratio	0.49311
Elongation ratio	0.78864
Highest Stream order	6
Max elevation	489.0 m
Min elevation	263.0 m
Mean bifurcation ratio	3.0979
Stream frequency	78.3910 per km ²
Relief	226.00 m
Drainage density	10.6850 km/km ²
Length of overland flow	46.793 m

CATCHMENT CLIMATOLOGY

