

Damsal Dam

Location	21.0608° N, 85.7261° E
State	Odisha
Nearest City	Kamakhyanagar
Year of Completion	1976
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Karkhai Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	399.4 m
Reservoir Area	687000.0 m ²
Gross storage capacity	3000000.0 m ³
Effective storage capacity	2580000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	36.5 km ²
Perimeter of catchment	31.9 km
Basin Length	10925.0 m
Form factor	0.30567
Circularity ratio	0.45039
Elongation ratio	0.62364
Highest Stream order	6
Max elevation	789.0 m
Min elevation	100.0 m
Mean bifurcation ratio	2.6421
Stream frequency	88.2650 per km ²
Relief	689.00 m
Drainage density	12.8820 km/km ²
Length of overland flow	38.815 m

CATCHMENT CLIMATOLOGY

