

Kansbahal Dam

Location	22.1789° N, 84.6494° E
State	Odisha
Nearest City	Sundargadh
Year of Completion	1986
Operated and Maintained by	Odisha Water Resources Department
River Basin	Brahmani
River	Badjore Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	28.0 m
Dam length	980.0 m
Reservoir Area	5060000.0 m ²
Gross storage capacity	40410000.0 m ³
Effective storage capacity	28720000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	190.9 km ²
Perimeter of catchment	72.8 km
Basin Length	21471.0 m
Form factor	0.41402
Circularity ratio	0.45236
Elongation ratio	0.72581
Highest Stream order	6
Max elevation	768.0 m
Min elevation	215.0 m
Mean bifurcation ratio	2.3771
Stream frequency	79.5880 per km ²
Relief	553.00 m
Drainage density	11.2150 km/km ²
Length of overland flow	44.583 m

CATCHMENT CLIMATOLOGY

