

Karanjkote Dam

Location	20.0600° N, 82.9364° E
State	Odisha
Nearest City	Dharamgarh
Year of Completion	1977
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Karanjkote Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.6 m
Dam length	350.0 m
Reservoir Area	506800.0 m ²
Gross storage capacity	1920000.0 m ³
Effective storage capacity	1750000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	20.6 km ²
Perimeter of catchment	23.1 km
Basin Length	8970.5 m
Form factor	0.25647
Circularity ratio	0.48465
Elongation ratio	0.57125
Highest Stream order	5
Max elevation	911.0 m
Min elevation	258.0 m
Mean bifurcation ratio	2.5770
Stream frequency	87.5100 per km ²
Relief	653.00 m
Drainage density	13.0050 km/km ²
Length of overland flow	38.446 m

CATCHMENT CLIMATOLOGY

