

Karkata M.I.P Dam

Location	19.9258° N, 83.3333° E
State	Odisha
Nearest City	Bhawanipatna
Year of Completion	1985
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Karkata
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.4 m
Dam length	520.0 m
Reservoir Area	195.0 m ²
Gross storage capacity	1235000.0 m ³
Effective storage capacity	1146000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.0 km ²
Perimeter of catchment	22.0 km
Basin Length	6542.1 m
Form factor	0.56164
Circularity ratio	0.62358
Elongation ratio	0.84535
Highest Stream order	5
Max elevation	970.0 m
Min elevation	300.0 m
Mean bifurcation ratio	2.6661
Stream frequency	93.5200 per km ²
Relief	670.00 m
Drainage density	14.2920 km/km ²
Length of overland flow	34.984 m

CATCHMENT CLIMATOLOGY

