

Mathanpal Dam

Location	20.3136° N, 83.2192° E
State	Odisha
Nearest City	Titilagarh
Year of Completion	1979
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Konda Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.2 m
Dam length	1453.9 m
Reservoir Area	1160000.0 m ²
Gross storage capacity	5134000.0 m ³
Effective storage capacity	4180000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	44.1 km ²
Perimeter of catchment	28.9 km
Basin Length	8571.1 m
Form factor	0.60091
Circularity ratio	0.66310
Elongation ratio	0.87441
Highest Stream order	6
Max elevation	676.0 m
Min elevation	184.0 m
Mean bifurcation ratio	6.2731
Stream frequency	76.4750 per km ²
Relief	492.00 m
Drainage density	10.5470 km/km ²
Length of overland flow	47.405 m

CATCHMENT CLIMATOLOGY

