

Parhel Dam

Location	20.6681° N, 83.7689° E
State	Odisha
Nearest City	Bauda
Year of Completion	1988
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Parhel Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.4 m
Dam length	530.0 m
Reservoir Area	350000.0 m ²
Gross storage capacity	980000.0 m ³
Effective storage capacity	770000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.8 km ²
Perimeter of catchment	15.6 km
Basin Length	5283.3 m
Form factor	0.42188
Circularity ratio	0.60475
Elongation ratio	0.73266
Highest Stream order	5
Max elevation	469.0 m
Min elevation	141.0 m
Mean bifurcation ratio	2.8659
Stream frequency	90.2670 per km ²
Relief	328.00 m
Drainage density	12.8080 km/km ²
Length of overland flow	39.040 m

CATCHMENT CLIMATOLOGY

