

Pipal Nalla Dam

Location	19.8794° N, 83.2308° E
State	Odisha
Nearest City	Bhawanipatna
Year of Completion	1980
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Pipanallah
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	480.0 m
Reservoir Area	445000.0 m ²
Gross storage capacity	2380000.0 m ³
Effective storage capacity	2270000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	31.8 km ²
Perimeter of catchment	28.5 km
Basin Length	9818.3 m
Form factor	0.32998
Circularity ratio	0.49331
Elongation ratio	0.64796
Highest Stream order	6
Max elevation	982.0 m
Min elevation	309.0 m
Mean bifurcation ratio	2.4978
Stream frequency	86.2010 per km ²
Relief	673.00 m
Drainage density	12.7610 km/km ²
Length of overland flow	39.182 m

CATCHMENT CLIMATOLOGY

