

Padampur Nalla Dam

Location	21.0342° N, 82.9881° E
State	Odisha
Nearest City	Padampur
Year of Completion	1978
Operated and Maintained by	Odisha Water Resources Department
River Basin	Mahanadi
River	Padampur Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.2 m
Dam length	1828.8 m
Reservoir Area	1780000.0 m ²
Gross storage capacity	7103000.0 m ³
Effective storage capacity	5285000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	38.9 km ²
Perimeter of catchment	35.6 km
Basin Length	12837.0 m
Form factor	0.23609
Circularity ratio	0.38531
Elongation ratio	0.54809
Highest Stream order	5
Max elevation	602.0 m
Min elevation	203.0 m
Mean bifurcation ratio	2.2022
Stream frequency	74.0820 per km ²
Relief	399.00 m
Drainage density	9.9470 km/km ²
Length of overland flow	50.268 m

CATCHMENT CLIMATOLOGY

