

Palachur Dam

Location	20.2242° N, 81.9297° E
State	Chhattisgarh
Nearest City	Kanker
Year of Completion	Not Available
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.6 m
Dam length	933.0 m
Reservoir Area	498000.0 m ²
Gross storage capacity	2160000.0 m ³
Effective storage capacity	2017000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.1 km ²
Perimeter of catchment	33.5 km
Basin Length	8305.8 m
Form factor	0.40719
Circularity ratio	0.31462
Elongation ratio	0.71979
Highest Stream order	6
Max elevation	717.0 m
Min elevation	482.0 m
Mean bifurcation ratio	2.5800
Stream frequency	76.7510 per km ²
Relief	235.00 m
Drainage density	10.4360 km/km ²
Length of overland flow	47.909 m

CATCHMENT CLIMATOLOGY

