

Chhuwari Pali T. Dam

Location	21.6647° N, 83.2397° E
State	Chhattisgarh
Nearest City	Sarangarh
Year of Completion	1981
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.8 m
Dam length	579.0 m
Reservoir Area	127000.0 m ²
Gross storage capacity	921000000.0 m ³
Effective storage capacity	1143000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.3 km ²
Perimeter of catchment	8.9 km
Basin Length	2478.3 m
Form factor	0.53315
Circularity ratio	0.51825
Elongation ratio	0.82363
Highest Stream order	4
Max elevation	359.0 m
Min elevation	205.0 m
Mean bifurcation ratio	2.9759
Stream frequency	81.8430 per km ²
Relief	154.00 m
Drainage density	10.5660 km/km ²
Length of overland flow	47.320 m

CATCHMENT CLIMATOLOGY

