

Chhirpani Dam

Location	22.2853° N, 81.1981° E
State	Chhattisgarh
Nearest City	Kawardha
Year of Completion	1993
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Phonk
Dam Type	Earthfill Embankment
Height above lowest foundation level	31.6 m
Dam length	450.0 m
Reservoir Area	5088000.0 m ²
Gross storage capacity	70910000.0 m ³
Effective storage capacity	50250000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	34.0 km ²
Perimeter of catchment	25.2 km
Basin Length	8060.4 m
Form factor	0.52378
Circularity ratio	0.67146
Elongation ratio	0.81636
Highest Stream order	6
Max elevation	894.0 m
Min elevation	449.0 m
Mean bifurcation ratio	2.5441
Stream frequency	79.0470 per km ²
Relief	445.00 m
Drainage density	10.8110 km/km ²
Length of overland flow	46.250 m

CATCHMENT CLIMATOLOGY

