

Gouri Dam

Location	20.4417° N, 81.3589° E
State	Chhattisgarh
Nearest City	Kanker
Year of Completion	1985
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	856.0 m
Reservoir Area	314000.0 m ²
Gross storage capacity	839000.0 m ³
Effective storage capacity	793000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.1 km ²
Perimeter of catchment	9.4 km
Basin Length	3390.2 m
Form factor	0.44518
Circularity ratio	0.72640
Elongation ratio	0.75263
Highest Stream order	5
Max elevation	419.0 m
Min elevation	368.0 m
Mean bifurcation ratio	2.8410
Stream frequency	80.1280 per km ²
Relief	51.00 m
Drainage density	10.9700 km/km ²
Length of overland flow	45.581 m

CATCHMENT CLIMATOLOGY

