

Motiamoti Dam

Location	20.8842° N, 80.9375° E
State	Chhattisgarh
Nearest City	Rajnandgaon
Year of Completion	1988
Operated and Maintained by	Chhattisgarh Water Resources Department
River Basin	Mahanadi
River	Moti Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.5 m
Dam length	1367.0 m
Reservoir Area	29430000.0 m ²
Gross storage capacity	29449470.0 m ³
Effective storage capacity	26476210.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	79.2 km ²
Perimeter of catchment	53.7 km
Basin Length	17569.0 m
Form factor	0.25661
Circularity ratio	0.34520
Elongation ratio	0.57141
Highest Stream order	6
Max elevation	437.0 m
Min elevation	318.0 m
Mean bifurcation ratio	2.3898
Stream frequency	76.9650 per km ²
Relief	119.00 m
Drainage density	10.7170 km/km ²
Length of overland flow	46.657 m

CATCHMENT CLIMATOLOGY

