

## Buchki Dam

Location	23.5075° N, 81.1639° E
State	Madhya Pradesh
Nearest City	Shahdol
Year of Completion	1980
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Ganga
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.1 m
Dam length	432.0 m
Reservoir Area	242000.0 m <sup>2</sup>
Gross storage capacity	960000.0 m <sup>3</sup>
Effective storage capacity	875000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	53.0 km <sup>2</sup>
Perimeter of catchment	36.5 km
Basin Length	14125.0 m
Form factor	0.26544
Circularity ratio	0.50005
Elongation ratio	0.58115
Highest Stream order	6
Max elevation	558.0 m
Min elevation	396.0 m
Mean bifurcation ratio	2.2582
Stream frequency	73.5150 per km <sup>2</sup>
Relief	162.00 m
Drainage density	9.6380 km/km <sup>2</sup>
Length of overland flow	51.878 m

## CATCHMENT CLIMATOLOGY

