

Gambhiri Dam

Location	24.7025° N, 74.7306° E
State	Rajasthan
Nearest City	Nimbahera
Year of Completion	1958
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Ganga
River	Gambhiri
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	3840.0 m
Reservoir Area	20570000.0 m ²
Gross storage capacity	54980000.0 m ³
Effective storage capacity	53440000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1024.2 km ²
Perimeter of catchment	234.4 km
Basin Length	38667.0 m
Form factor	0.68503
Circularity ratio	0.23441
Elongation ratio	0.93360
Highest Stream order	8
Max elevation	596.0 m
Min elevation	411.0 m
Mean bifurcation ratio	2.3482
Stream frequency	76.8040 per km ²
Relief	185.00 m
Drainage density	10.3590 km/km ²
Length of overland flow	48.268 m

CATCHMENT CLIMATOLOGY

