

Govind Sagar Dam

Location	24.6742° N, 78.4194° E
State	Uttar Pradesh
Nearest City	Lalitpur
Year of Completion	1953
Operated and Maintained by	Uttar Pradesh Irrigation and Water Resources Department
River Basin	Ganga
River	Shahjad
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.3 m
Dam length	3606.0 m
Reservoir Area	247880000.0 m ²
Gross storage capacity	96884000.0 m ³
Effective storage capacity	50110000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	351.4 km ²
Perimeter of catchment	97.1 km
Basin Length	31543.0 m
Form factor	0.35319
Circularity ratio	0.46863
Elongation ratio	0.67037
Highest Stream order	7
Max elevation	491.0 m
Min elevation	346.0 m
Mean bifurcation ratio	2.2175
Stream frequency	72.8930 per km ²
Relief	145.00 m
Drainage density	9.5780 km/km ²
Length of overland flow	52.202 m

CATCHMENT CLIMATOLOGY

