

Girgitahi Dam

Location	27.6764° N, 82.3200° E
State	Uttar Pradesh
Nearest City	Balrampur.
Year of Completion	1966
Operated and Maintained by	Uttar Pradesh Irrigation and Water Resources Department
River Basin	Ganga
River	Ramsutia Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.2 m
Dam length	4800.0 m
Reservoir Area	257380000.0 m ²
Gross storage capacity	9250000.0 m ³
Effective storage capacity	6475000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.9 km ²
Perimeter of catchment	18.3 km
Basin Length	7475.6 m
Form factor	0.19462
Circularity ratio	0.40784
Elongation ratio	0.49762
Highest Stream order	5
Max elevation	205.0 m
Min elevation	143.0 m
Mean bifurcation ratio	2.3763
Stream frequency	79.8080 per km ²
Relief	62.00 m
Drainage density	10.6040 km/km ²
Length of overland flow	47.154 m

CATCHMENT CLIMATOLOGY

