

Nagwa Dam

Location	24.6722° N, 83.3797° E
State	Uttar Pradesh
Nearest City	Robertsganj
Year of Completion	1950
Operated and Maintained by	Uttar Pradesh Irrigation and Water Resources Department
River Basin	Ganga
River	Karmnasa
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.3 m
Dam length	2810.2 m
Reservoir Area	54390000.0 m ²
Gross storage capacity	154480000.0 m ³
Effective storage capacity	104110000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	420.1 km ²
Perimeter of catchment	116.1 km
Basin Length	34816.0 m
Form factor	0.34660
Circularity ratio	0.39149
Elongation ratio	0.66409
Highest Stream order	8
Max elevation	625.0 m
Min elevation	333.0 m
Mean bifurcation ratio	2.3258
Stream frequency	83.3180 per km ²
Relief	292.00 m
Drainage density	11.7240 km/km ²
Length of overland flow	42.647 m

CATCHMENT CLIMATOLOGY

