

Shahjad Dam

Location	24.9486° N, 78.5214° E
State	Uttar Pradesh
Nearest City	Lalitpur
Year of Completion	1992
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	18.0 m
Dam length	4160.0 m
Reservoir Area	299300000.0 m ²
Gross storage capacity	130000000.0 m ³
Effective storage capacity	96060000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	957.2 km ²
Perimeter of catchment	184.4 km
Basin Length	66950.0 m
Form factor	0.21354
Circularity ratio	0.35378
Elongation ratio	0.52125
Highest Stream order	8
Max elevation	491.0 m
Min elevation	289.0 m
Mean bifurcation ratio	5.8070
Stream frequency	71.0020 per km ²
Relief	202.00 m
Drainage density	9.2250 km/km ²
Length of overland flow	54.200 m

CATCHMENT CLIMATOLOGY

