

## Silhata Dam

<b>Location</b>	24.6749° N, 83.3409° E
<b>State</b>	Uttar Pradesh
<b>Nearest City</b>	Robertsganj
<b>Year of Completion</b>	1962
<b>Operated and Maintained by</b>	Uttar Pradesh Irrigation and Water Resources Department
<b>River Basin</b>	Ganga
<b>River</b>	Local
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	16.2 m
<b>Dam length</b>	990.0 m
<b>Reservoir Area</b>	94768.0 m <sup>2</sup>
<b>Gross storage capacity</b>	1288000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	1138000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	543.2 km <sup>2</sup>
<b>Perimeter of catchment</b>	125.8 km
<b>Basin Length</b>	39074.0 m
<b>Form factor</b>	0.35576
<b>Circularity ratio</b>	0.43120
<b>Elongation ratio</b>	0.67281
<b>Highest Stream order</b>	8
<b>Max elevation</b>	625.0 m
<b>Min elevation</b>	332.0 m
<b>Mean bifurcation ratio</b>	3.2953
<b>Stream frequency</b>	83.4510 per km <sup>2</sup>
<b>Relief</b>	293.00 m
<b>Drainage density</b>	11.7880 km/km <sup>2</sup>
<b>Length of overland flow</b>	42.415 m

## CATCHMENT CLIMATOLOGY

