

## Garhwa Dam

<b>Location</b>	25.2131° N, 81.4464° E
<b>State</b>	Uttar Pradesh
<b>Nearest City</b>	Mau
<b>Year of Completion</b>	1975
<b>Operated and Maintained by</b>	Uttar Pradesh Irrigation and Water Resources Department
<b>River Basin</b>	Ganga
<b>River</b>	Garhwa
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	13.0 m
<b>Dam length</b>	980.0 m
<b>Reservoir Area</b>	120087.0 m <sup>2</sup>
<b>Gross storage capacity</b>	2255000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	1841000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	6.9 km <sup>2</sup>
<b>Perimeter of catchment</b>	12.1 km
<b>Basin Length</b>	3895.1 m
<b>Form factor</b>	0.45251
<b>Circularity ratio</b>	0.59053
<b>Elongation ratio</b>	0.75880
<b>Highest Stream order</b>	4
<b>Max elevation</b>	176.0 m
<b>Min elevation</b>	107.0 m
<b>Mean bifurcation ratio</b>	2.3620
<b>Stream frequency</b>	82.5860 per km <sup>2</sup>
<b>Relief</b>	69.00 m
<b>Drainage density</b>	11.2180 km/km <sup>2</sup>
<b>Length of overland flow</b>	44.573 m

## CATCHMENT CLIMATOLOGY

