

## Girinanda Dam

Location	26.1825° N, 74.1672° E
State	Rajasthan
Nearest City	Raipur.
Year of Completion	1959
Operated and Maintained by	Rajasthan Water Resources Department
River Basin	Sabarmati
River	Luni
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.2 m
Dam length	351.0 m
Reservoir Area	1300000.0 m <sup>2</sup>
Gross storage capacity	5660000.0 m <sup>3</sup>
Effective storage capacity	5500000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	94.0 km <sup>2</sup>
Perimeter of catchment	44.0 km
Basin Length	13601.0 m
Form factor	0.50815
Circularity ratio	0.61103
Elongation ratio	0.80409
Highest Stream order	7
Max elevation	650.0 m
Min elevation	345.0 m
Mean bifurcation ratio	2.1372
Stream frequency	75.0030 per km <sup>2</sup>
Relief	305.00 m
Drainage density	9.7310 km/km <sup>2</sup>
Length of overland flow	51.383 m

## CATCHMENT CLIMATOLOGY

