

## Nirguna Dam

Location	20.3431° N, 76.8492° E
State	Maharashtra
Nearest City	Patur
Year of Completion	1975
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Nirguna
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.7 m
Dam length	1800.0 m
Reservoir Area	4760000.0 m <sup>2</sup>
Gross storage capacity	32290000.0 m <sup>3</sup>
Effective storage capacity	28850000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	199.5 km <sup>2</sup>
Perimeter of catchment	64.5 km
Basin Length	20358.0 m
Form factor	0.48124
Circularity ratio	0.60275
Elongation ratio	0.78251
Highest Stream order	7
Max elevation	558.0 m
Min elevation	374.0 m
Mean bifurcation ratio	2.3987
Stream frequency	75.0000 per km <sup>2</sup>
Relief	184.00 m
Drainage density	10.3650 km/km <sup>2</sup>
Length of overland flow	48.239 m

## CATCHMENT CLIMATOLOGY

