

Shivanijat Dam

Location	19.8964° N, 76.5931° E
State	Maharashtra
Nearest City	Lonar
Year of Completion	1973
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.9 m
Dam length	570.0 m
Reservoir Area	308000.0 m ²
Gross storage capacity	1480000.0 m ³
Effective storage capacity	1380000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.2 km ²
Perimeter of catchment	16.5 km
Basin Length	6980.7 m
Form factor	0.23011
Circularity ratio	0.51941
Elongation ratio	0.54109
Highest Stream order	5
Max elevation	584.0 m
Min elevation	495.0 m
Mean bifurcation ratio	2.6957
Stream frequency	76.2510 per km ²
Relief	89.00 m
Drainage density	10.5290 km/km ²
Length of overland flow	47.487 m

CATCHMENT CLIMATOLOGY

