

## Shivani Armal Dam

Location	20.1289° N, 76.2572° E
State	Maharashtra
Nearest City	Deulgaon Raja
Year of Completion	1985
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.7 m
Dam length	1625.0 m
Reservoir Area	163000.0 m <sup>2</sup>
Gross storage capacity	4270000.0 m <sup>3</sup>
Effective storage capacity	3920000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	53.5 km <sup>2</sup>
Perimeter of catchment	31.5 km
Basin Length	11111.0 m
Form factor	0.43314
Circularity ratio	0.67751
Elongation ratio	0.74238
Highest Stream order	6
Max elevation	619.0 m
Min elevation	523.0 m
Mean bifurcation ratio	2.8268
Stream frequency	80.1450 per km <sup>2</sup>
Relief	96.00 m
Drainage density	11.3210 km/km <sup>2</sup>
Length of overland flow	44.165 m

## CATCHMENT CLIMATOLOGY

