

Shahane Dam

Location	21.6025° N, 74.7522° E
State	Maharashtra
Nearest City	Shahada
Year of Completion	1999
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.2 m
Dam length	540.0 m
Reservoir Area	130000.0 m ²
Gross storage capacity	1880000.0 m ³
Effective storage capacity	1740000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.1 km ²
Perimeter of catchment	20.3 km
Basin Length	7304.9 m
Form factor	0.24557
Circularity ratio	0.39899
Elongation ratio	0.55899
Highest Stream order	5
Max elevation	409.0 m
Min elevation	289.0 m
Mean bifurcation ratio	2.1820
Stream frequency	75.0900 per km ²
Relief	120.00 m
Drainage density	10.0100 km/km ²
Length of overland flow	49.950 m

CATCHMENT CLIMATOLOGY

