

Shirsoli -1 Dam

Location	20.9217° N, 75.5253° E
State	Maharashtra
Nearest City	Jalgaon
Year of Completion	2005
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	950.0 m
Reservoir Area	640000.0 m ²
Gross storage capacity	2329000.0 m ³
Effective storage capacity	2199000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	18.2 km ²
Perimeter of catchment	20.0 km
Basin Length	7475.4 m
Form factor	0.32491
Circularity ratio	0.57334
Elongation ratio	0.64297
Highest Stream order	5
Max elevation	327.0 m
Min elevation	214.0 m
Mean bifurcation ratio	2.6176
Stream frequency	75.2340 per km ²
Relief	113.00 m
Drainage density	10.2420 km/km ²
Length of overland flow	48.817 m

CATCHMENT CLIMATOLOGY

