

Vikharan Dam

Location	21.6305° N, 74.8123° E
State	Maharashtra
Nearest City	Shirpur
Year of Completion	1977
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Arunavati
Dam Type	Earthfill Embankment
Height above lowest foundation level	24.9 m
Dam length	465.0 m
Reservoir Area	44000.0 m ²
Gross storage capacity	2120000.0 m ³
Effective storage capacity	1910000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	24.3 km ²
Perimeter of catchment	28.2 km
Basin Length	9876.9 m
Form factor	0.24896
Circularity ratio	0.38351
Elongation ratio	0.56283
Highest Stream order	5
Max elevation	565.0 m
Min elevation	325.0 m
Mean bifurcation ratio	2.4248
Stream frequency	76.6670 per km ²
Relief	240.00 m
Drainage density	10.4120 km/km ²
Length of overland flow	48.022 m

CATCHMENT CLIMATOLOGY

