

Karwand Dam

Location	21.4528° N, 74.9644° E
State	Maharashtra
Nearest City	Shirpur
Year of Completion	1971
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Arunavati
Dam Type	Earthfill Embankment
Height above lowest foundation level	39.3 m
Dam length	1561.6 m
Reservoir Area	2100000.0 m ²
Gross storage capacity	33840000.0 m ³
Effective storage capacity	31150000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	404.9 km ²
Perimeter of catchment	101.8 km
Basin Length	30931.0 m
Form factor	0.42325
Circularity ratio	0.49163
Elongation ratio	0.73385
Highest Stream order	8
Max elevation	771.0 m
Min elevation	189.0 m
Mean bifurcation ratio	2.7359
Stream frequency	78.2790 per km ²
Relief	582.00 m
Drainage density	10.8620 km/km ²
Length of overland flow	46.032 m

CATCHMENT CLIMATOLOGY

