

Morna (Shirala) Dam

Location	16.9889° N, 74.1039° E
State	Maharashtra
Nearest City	Shirala
Year of Completion	1985
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Krishna
River	Morna
Dam Type	Earthfill Embankment
Height above lowest foundation level	31.2 m
Dam length	1015.0 m
Reservoir Area	2260000.0 m ²
Gross storage capacity	21180000.0 m ³
Effective storage capacity	16540000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	87.1 km ²
Perimeter of catchment	41.6 km
Basin Length	14317.0 m
Form factor	0.42499
Circularity ratio	0.63315
Elongation ratio	0.73536
Highest Stream order	6
Max elevation	864.0 m
Min elevation	577.0 m
Mean bifurcation ratio	2.6632
Stream frequency	78.9020 per km ²
Relief	287.00 m
Drainage density	11.2660 km/km ²
Length of overland flow	44.381 m

CATCHMENT CLIMATOLOGY

