

Morna Dam

Location	20.4208° N, 76.9958° E
State	Maharashtra
Nearest City	Patur
Year of Completion	1971
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Morana
Dam Type	Earthfill Embankment
Height above lowest foundation level	28.7 m
Dam length	600.0 m
Reservoir Area	4930000.0 m ²
Gross storage capacity	44740000.0 m ³
Effective storage capacity	41460000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	176.4 km ²
Perimeter of catchment	72.1 km
Basin Length	28253.0 m
Form factor	0.22102
Circularity ratio	0.42689
Elongation ratio	0.53030
Highest Stream order	6
Max elevation	551.0 m
Min elevation	347.0 m
Mean bifurcation ratio	2.3184
Stream frequency	75.3630 per km ²
Relief	204.00 m
Drainage density	10.4010 km/km ²
Length of overland flow	48.071 m

CATCHMENT CLIMATOLOGY

