

Hattipada Dam

Location	19.4958° N, 72.9489° E
State	Maharashtra
Nearest City	Vasai
Year of Completion	1981
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.3 m
Dam length	456.0 m
Reservoir Area	295000.0 m ²
Gross storage capacity	2058000.0 m ³
Effective storage capacity	1923000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.4 km ²
Perimeter of catchment	8.6 km
Basin Length	3272.2 m
Form factor	0.32113
Circularity ratio	0.59056
Elongation ratio	0.63922
Highest Stream order	4
Max elevation	335.0 m
Min elevation	20.0 m
Mean bifurcation ratio	4.0164
Stream frequency	92.7780 per km ²
Relief	315.00 m
Drainage density	13.6660 km/km ²
Length of overland flow	36.587 m

CATCHMENT CLIMATOLOGY

