

Manivali Dam

Location	19.2900° N, 73.5933° E
State	Maharashtra
Nearest City	Murbad
Year of Completion	1980
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.4 m
Dam length	643.0 m
Reservoir Area	1050000.0 m ²
Gross storage capacity	4808000.0 m ³
Effective storage capacity	4684000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.5 km ²
Perimeter of catchment	12.9 km
Basin Length	4773.5 m
Form factor	0.37295
Circularity ratio	0.64043
Elongation ratio	0.68887
Highest Stream order	4
Max elevation	177.0 m
Min elevation	107.0 m
Mean bifurcation ratio	2.4615
Stream frequency	76.3700 per km ²
Relief	70.00 m
Drainage density	10.2400 km/km ²
Length of overland flow	48.826 m

CATCHMENT CLIMATOLOGY

