

Mahim Kelwa Dam

Location	19.6333° N, 72.8186° E
State	Maharashtra
Nearest City	Palghar
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	17.8 m
Dam length	844.0 m
Reservoir Area	652000.0 m ²
Gross storage capacity	3400000.0 m ³
Effective storage capacity	3243000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	6.3 km ²
Perimeter of catchment	11.4 km
Basin Length	3230.1 m
Form factor	0.60657
Circularity ratio	0.60938
Elongation ratio	0.87852
Highest Stream order	5
Max elevation	433.0 m
Min elevation	17.0 m
Mean bifurcation ratio	4.3868
Stream frequency	91.0150 per km ²
Relief	416.00 m
Drainage density	13.4470 km/km ²
Length of overland flow	37.182 m

CATCHMENT CLIMATOLOGY

