

Pelhar Dam

Location	19.4436° N, 72.8964° E
State	Maharashtra
Nearest City	Vasai
Year of Completion	1975
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Tr. Of Amba
Dam Type	Earthfill Embankment
Height above lowest foundation level	26.0 m
Dam length	701.0 m
Reservoir Area	476800.0 m ²
Gross storage capacity	3680000.0 m ³
Effective storage capacity	3567000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.5 km ²
Perimeter of catchment	9.3 km
Basin Length	3117.7 m
Form factor	0.46009
Circularity ratio	0.64538
Elongation ratio	0.76512
Highest Stream order	4
Max elevation	644.0 m
Min elevation	53.0 m
Mean bifurcation ratio	3.5588
Stream frequency	91.6810 per km ²
Relief	591.00 m
Drainage density	13.8260 km/km ²
Length of overland flow	36.164 m

CATCHMENT CLIMATOLOGY

