

Karvel Dam

Location	19.5653° N, 72.8492° E
State	Maharashtra
Nearest City	Palghar
Year of Completion	1996
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.7 m
Dam length	499.0 m
Reservoir Area	680000.0 m ²
Gross storage capacity	3135000.0 m ³
Effective storage capacity	2825000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.5 km ²
Perimeter of catchment	7.2 km
Basin Length	1831.7 m
Form factor	0.74423
Circularity ratio	0.61023
Elongation ratio	0.97311
Highest Stream order	4
Max elevation	146.0 m
Min elevation	5.0 m
Mean bifurcation ratio	2.6449
Stream frequency	86.5070 per km ²
Relief	141.00 m
Drainage density	12.0480 km/km ²
Length of overland flow	41.499 m

CATCHMENT CLIMATOLOGY

