

Raitale Dam

Location	19.9336° N, 72.8347° E
State	Maharashtra
Nearest City	Dahanu
Year of Completion	1979
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Surya
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.0 m
Dam length	330.0 m
Reservoir Area	364000.0 m ²
Gross storage capacity	1925000.0 m ³
Effective storage capacity	1839000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	3.7 km ²
Perimeter of catchment	8.1 km
Basin Length	2092.3 m
Form factor	0.83939
Circularity ratio	0.70598
Elongation ratio	1.03350
Highest Stream order	5
Max elevation	225.0 m
Min elevation	32.0 m
Mean bifurcation ratio	2.8910
Stream frequency	84.3620 per km ²
Relief	193.00 m
Drainage density	11.8860 km/km ²
Length of overland flow	42.065 m

CATCHMENT CLIMATOLOGY

