

Ransai Dam

Location	18.8952° N, 73.0693° E
State	Maharashtra
Nearest City	Uran
Year of Completion	1970
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Vindhane Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.9 m
Dam length	292.0 m
Reservoir Area	1360000.0 m ²
Gross storage capacity	20750000.0 m ³
Effective storage capacity	8470000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	15.6 km ²
Perimeter of catchment	16.9 km
Basin Length	4340.9 m
Form factor	0.82923
Circularity ratio	0.68866
Elongation ratio	1.02720
Highest Stream order	5
Max elevation	274.0 m
Min elevation	17.0 m
Mean bifurcation ratio	2.6222
Stream frequency	76.7340 per km ²
Relief	257.00 m
Drainage density	10.4210 km/km ²
Length of overland flow	47.978 m

CATCHMENT CLIMATOLOGY

