

Kakani Dam

Location	20.8550° N, 74.4233° E
State	Maharashtra
Nearest City	Sakri
Year of Completion	1987
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Umrad
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.6 m
Dam length	780.0 m
Reservoir Area	70000.0 m ²
Gross storage capacity	2570000.0 m ³
Effective storage capacity	2040000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	47.8 km ²
Perimeter of catchment	33.2 km
Basin Length	7907.3 m
Form factor	0.76489
Circularity ratio	0.54528
Elongation ratio	0.98652
Highest Stream order	6
Max elevation	841.0 m
Min elevation	441.0 m
Mean bifurcation ratio	2.7477
Stream frequency	81.5480 per km ²
Relief	400.00 m
Drainage density	11.6050 km/km ²
Length of overland flow	43.085 m

CATCHMENT CLIMATOLOGY

