

Kumsadi Dam

Location	20.5786° N, 73.8122° E
State	Maharashtra
Nearest City	Kalwan
Year of Completion	1996
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Lendi Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.9 m
Dam length	485.0 m
Reservoir Area	121000.0 m ²
Gross storage capacity	637820.0 m ³
Effective storage capacity	615480.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.5 km ²
Perimeter of catchment	13.7 km
Basin Length	4158.1 m
Form factor	0.66735
Circularity ratio	0.77019
Elongation ratio	0.92148
Highest Stream order	5
Max elevation	1249.0 m
Min elevation	745.0 m
Mean bifurcation ratio	4.1391
Stream frequency	85.5390 per km ²
Relief	504.00 m
Drainage density	12.1790 km/km ²
Length of overland flow	41.055 m

CATCHMENT CLIMATOLOGY

