

Chavadi Dam

Location	21.0992° N, 74.4986° E
State	Maharashtra
Nearest City	Sakri
Year of Completion	1973
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Panzara
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.2 m
Dam length	793.0 m
Reservoir Area	97000.0 m ²
Gross storage capacity	4430000.0 m ³
Effective storage capacity	4380000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.0 km ²
Perimeter of catchment	6.1 km
Basin Length	1666.0 m
Form factor	0.73571
Circularity ratio	0.68080
Elongation ratio	0.96752
Highest Stream order	4
Max elevation	387.0 m
Min elevation	315.0 m
Mean bifurcation ratio	2.5877
Stream frequency	81.7810 per km ²
Relief	72.00 m
Drainage density	10.6710 km/km ²
Length of overland flow	46.855 m

CATCHMENT CLIMATOLOGY

