

Sonari (Jamner) Dam

Location	20.8094° N, 75.7966° E
State	Maharashtra
Nearest City	Jamner
Year of Completion	1996
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	345.0 m
Reservoir Area	377490.0 m ²
Gross storage capacity	1186290.0 m ³
Effective storage capacity	812000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	667.6 km ²
Perimeter of catchment	138.4 km
Basin Length	42917.0 m
Form factor	0.36244
Circularity ratio	0.43830
Elongation ratio	0.67909
Highest Stream order	7
Max elevation	723.0 m
Min elevation	242.0 m
Mean bifurcation ratio	2.1678
Stream frequency	74.7920 per km ²
Relief	481.00 m
Drainage density	10.2570 km/km ²
Length of overland flow	48.745 m

CATCHMENT CLIMATOLOGY

