

Ardi Dam

Location	21.1386° N, 74.8881° E
State	Maharashtra
Nearest City	Amalner
Year of Completion	1982
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.5 m
Dam length	1020.0 m
Reservoir Area	490000.0 m ²
Gross storage capacity	901000.0 m ³
Effective storage capacity	814000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2815.4 km ²
Perimeter of catchment	358.2 km
Basin Length	112540.0 m
Form factor	0.22228
Circularity ratio	0.27586
Elongation ratio	0.53182
Highest Stream order	8
Max elevation	1160.0 m
Min elevation	168.0 m
Mean bifurcation ratio	2.4560
Stream frequency	76.0910 per km ²
Relief	992.00 m
Drainage density	10.5240 km/km ²
Length of overland flow	47.509 m

CATCHMENT CLIMATOLOGY

