

Chirda Dam

Location	21.5294° N, 74.6056° E
State	Maharashtra
Nearest City	Shahada
Year of Completion	2010
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.1 m
Dam length	1295.0 m
Reservoir Area	615000.0 m ²
Gross storage capacity	4789000.0 m ³
Effective storage capacity	3649000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	57.2 km ²
Perimeter of catchment	40.7 km
Basin Length	15395.0 m
Form factor	0.24148
Circularity ratio	0.43338
Elongation ratio	0.55430
Highest Stream order	6
Max elevation	364.0 m
Min elevation	171.0 m
Mean bifurcation ratio	3.9126
Stream frequency	76.1120 per km ²
Relief	193.00 m
Drainage density	10.2350 km/km ²
Length of overland flow	48.850 m

CATCHMENT CLIMATOLOGY

