

Gaolandoth Dam

Location	21.4442° N, 76.7839° E
State	Maharashtra
Nearest City	Melghat
Year of Completion	1974
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.6 m
Dam length	445.0 m
Reservoir Area	481200.0 m ²
Gross storage capacity	1626000.0 m ³
Effective storage capacity	1546000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	7.2 km ²
Perimeter of catchment	11.9 km
Basin Length	3553.2 m
Form factor	0.57105
Circularity ratio	0.64009
Elongation ratio	0.85240
Highest Stream order	5
Max elevation	474.0 m
Min elevation	321.0 m
Mean bifurcation ratio	2.6827
Stream frequency	75.3170 per km ²
Relief	153.00 m
Drainage density	10.2150 km/km ²
Length of overland flow	48.946 m

CATCHMENT CLIMATOLOGY

