

Mugdhan Dam

Location	21.1119° N, 73.7539° E
State	Maharashtra
Nearest City	Navapur
Year of Completion	1985
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Local Nalla
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.4 m
Dam length	422.0 m
Reservoir Area	60000.0 m ²
Gross storage capacity	2730000.0 m ³
Effective storage capacity	2640000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	9.8 km ²
Perimeter of catchment	13.2 km
Basin Length	4447.9 m
Form factor	0.49419
Circularity ratio	0.70109
Elongation ratio	0.79297
Highest Stream order	5
Max elevation	507.0 m
Min elevation	156.0 m
Mean bifurcation ratio	2.4059
Stream frequency	85.1990 per km ²
Relief	351.00 m
Drainage density	12.3040 km/km ²
Length of overland flow	40.637 m

CATCHMENT CLIMATOLOGY

