

Motewadi Dam

Location	18.7422° N, 74.3894° E
State	Maharashtra
Nearest City	Shirur.
Year of Completion	1976
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Krishna
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.1 m
Dam length	533.0 m
Reservoir Area	380000.0 m ²
Gross storage capacity	1050000.0 m ³
Effective storage capacity	780000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	27.8 km ²
Perimeter of catchment	26.6 km
Basin Length	8842.2 m
Form factor	0.35539
Circularity ratio	0.49389
Elongation ratio	0.67245
Highest Stream order	6
Max elevation	640.0 m
Min elevation	558.0 m
Mean bifurcation ratio	5.2602
Stream frequency	73.1670 per km ²
Relief	82.00 m
Drainage density	10.0070 km/km ²
Length of overland flow	49.964 m

CATCHMENT CLIMATOLOGY

