

Musai Dam

Location	19.4542° N, 73.4694° E
State	Maharashtra
Nearest City	Shahapur
Year of Completion	1971
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Local Nala
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.9 m
Dam length	403.0 m
Reservoir Area	534000.0 m ²
Gross storage capacity	3803000.0 m ³
Effective storage capacity	3640000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.0 km ²
Perimeter of catchment	8.4 km
Basin Length	2814.1 m
Form factor	0.50477
Circularity ratio	0.70530
Elongation ratio	0.80141
Highest Stream order	4
Max elevation	217.0 m
Min elevation	87.0 m
Mean bifurcation ratio	2.2452
Stream frequency	79.5510 per km ²
Relief	130.00 m
Drainage density	10.8750 km/km ²
Length of overland flow	45.976 m

CATCHMENT CLIMATOLOGY

