

Shai River Major Project Dam

Location	19.3922° N, 73.6719° E
State	Maharashtra
Nearest City	Shahapur
Year of Completion	Not Available
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	West Coast
River	Shai
Dam Type	Earthfill Embankment
Height above lowest foundation level	53.6 m
Dam length	730.0 m
Reservoir Area	30118000.0 m ²
Gross storage capacity	372156000.0 m ³
Effective storage capacity	353410000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.8 km ²
Perimeter of catchment	9.5 km
Basin Length	2846.6 m
Form factor	0.71968
Circularity ratio	0.80612
Elongation ratio	0.95693
Highest Stream order	4
Max elevation	426.0 m
Min elevation	147.0 m
Mean bifurcation ratio	3.5628
Stream frequency	87.7990 per km ²
Relief	279.00 m
Drainage density	12.7040 km/km ²
Length of overland flow	39.357 m

CATCHMENT CLIMATOLOGY

