

## Kasari-I Dam

Location	20.2375° N, 74.7656° E
State	Maharashtra
Nearest City	Nadgaon
Year of Completion	1981
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Golmadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.7 m
Dam length	752.0 m
Reservoir Area	438880.0 m <sup>2</sup>
Gross storage capacity	1580000.0 m <sup>3</sup>
Effective storage capacity	1320000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	31.7 km <sup>2</sup>
Perimeter of catchment	25.1 km
Basin Length	8583.6 m
Form factor	0.42977
Circularity ratio	0.63178
Elongation ratio	0.73948
Highest Stream order	6
Max elevation	707.0 m
Min elevation	490.0 m
Mean bifurcation ratio	2.1944
Stream frequency	71.7830 per km <sup>2</sup>
Relief	217.00 m
Drainage density	9.5390 km/km <sup>2</sup>
Length of overland flow	52.415 m

## CATCHMENT CLIMATOLOGY

