

## Manyad (Vaijapur) Dam

Location	20.1483° N, 74.7322° E
State	Maharashtra
Nearest City	Vaijapur
Year of Completion	2006
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Tapi
River	Manyad
Dam Type	Earthfill Embankment
Height above lowest foundation level	27.1 m
Dam length	410.0 m
Reservoir Area	411570.0 m <sup>2</sup>
Gross storage capacity	4750000.0 m <sup>3</sup>
Effective storage capacity	3010000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	112.3 km <sup>2</sup>
Perimeter of catchment	54.7 km
Basin Length	14810.0 m
Form factor	0.51212
Circularity ratio	0.47164
Elongation ratio	0.80723
Highest Stream order	6
Max elevation	662.0 m
Min elevation	514.0 m
Mean bifurcation ratio	3.4773
Stream frequency	69.7470 per km <sup>2</sup>
Relief	148.00 m
Drainage density	9.2460 km/km <sup>2</sup>
Length of overland flow	54.075 m

## CATCHMENT CLIMATOLOGY

