

## Vagadalwadi Dam

Location	21.8592° N, 75.1011° E
State	Madhya Pradesh
Nearest City	Rajpur
Year of Completion	1982
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.8 m
Dam length	182.0 m
Reservoir Area	213000.0 m <sup>2</sup>
Gross storage capacity	940000.0 m <sup>3</sup>
Effective storage capacity	847000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	8.6 km <sup>2</sup>
Perimeter of catchment	14.4 km
Basin Length	4686.5 m
Form factor	0.38932
Circularity ratio	0.51933
Elongation ratio	0.70382
Highest Stream order	5
Max elevation	471.0 m
Min elevation	313.0 m
Mean bifurcation ratio	2.2922
Stream frequency	78.5870 per km <sup>2</sup>
Relief	158.00 m
Drainage density	10.7180 km/km <sup>2</sup>
Length of overland flow	46.651 m

## CATCHMENT CLIMATOLOGY

