

## Saradeh Dam

Location	22.3764° N, 77.7028° E
State	Madhya Pradesh
Nearest City	Itarsi
Year of Completion	1980
Operated and Maintained by	Madhya Pradesh Water Resources Department
River Basin	Narmada
River	Local
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.9 m
Dam length	518.0 m
Reservoir Area	450000.0 m <sup>2</sup>
Gross storage capacity	1540000.0 m <sup>3</sup>
Effective storage capacity	1428000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.7 km <sup>2</sup>
Perimeter of catchment	9.0 km
Basin Length	3254.5 m
Form factor	0.44038
Circularity ratio	0.72416
Elongation ratio	0.74855
Highest Stream order	4
Max elevation	570.0 m
Min elevation	416.0 m
Mean bifurcation ratio	3.0994
Stream frequency	90.0450 per km <sup>2</sup>
Relief	154.00 m
Drainage density	12.9520 km/km <sup>2</sup>
Length of overland flow	38.603 m

## CATCHMENT CLIMATOLOGY

