

## Amthane Dam

Location	15.6708° N, 73.9072° E
State	Goa
Nearest City	Mapusa Goa
Year of Completion	1987
Operated and Maintained by	Goa Water Resources Department
River Basin	West Coast
River	Amthane Nallah
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.5 m
Dam length	760.0 m
Reservoir Area	680000.0 m <sup>2</sup>
Gross storage capacity	5970600.0 m <sup>3</sup>
Effective storage capacity	5809400.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.0 km <sup>2</sup>
Perimeter of catchment	9.0 km
Basin Length	3004.3 m
Form factor	0.44644
Circularity ratio	0.62236
Elongation ratio	0.75369
Highest Stream order	4
Max elevation	151.0 m
Min elevation	27.0 m
Mean bifurcation ratio	3.0030
Stream frequency	81.8940 per km <sup>2</sup>
Relief	124.00 m
Drainage density	11.7540 km/km <sup>2</sup>
Length of overland flow	42.538 m

## CATCHMENT CLIMATOLOGY

