

## Aji I Dam

Location	22.2658° N, 70.8347° E
State	Gujarat
Nearest City	Rajkot
Year of Completion	1954
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Aji
Dam Type	Other
Height above lowest foundation level	25.9 m
Dam length	3431.7 m
Reservoir Area	6589000.0 m <sup>2</sup>
Gross storage capacity	26420000.0 m <sup>3</sup>
Effective storage capacity	25990000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	219.4 km <sup>2</sup>
Perimeter of catchment	67.9 km
Basin Length	21075.0 m
Form factor	0.49394
Circularity ratio	0.59818
Elongation ratio	0.79277
Highest Stream order	7
Max elevation	245.0 m
Min elevation	129.0 m
Mean bifurcation ratio	6.8984
Stream frequency	72.3120 per km <sup>2</sup>
Relief	116.00 m
Drainage density	9.6230 km/km <sup>2</sup>
Length of overland flow	51.960 m

## CATCHMENT CLIMATOLOGY

