

Ajwa Dam

Location	22.3833° N, 73.3833° E
State	Gujarat
Nearest City	Waghoriya
Year of Completion	1892
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Surya
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.1 m
Dam length	4390.0 m
Reservoir Area	14000000.0 m ²
Gross storage capacity	63430000.0 m ³
Effective storage capacity	63430000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	65.5 km ²
Perimeter of catchment	49.3 km
Basin Length	17887.0 m
Form factor	0.20462
Circularity ratio	0.33913
Elongation ratio	0.51025
Highest Stream order	6
Max elevation	776.0 m
Min elevation	50.0 m
Mean bifurcation ratio	2.0306
Stream frequency	78.0050 per km ²
Relief	726.00 m
Drainage density	10.7830 km/km ²
Length of overland flow	46.371 m

CATCHMENT CLIMATOLOGY

