

Ambajal Dam

Location	21.2786° N, 70.7294° E
State	Gujarat
Nearest City	Visavadar
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Ambajal
Dam Type	Earthfill Embankment
Height above lowest foundation level	31.2 m
Dam length	1473.0 m
Reservoir Area	1970000.0 m ²
Gross storage capacity	10450000.0 m ³
Effective storage capacity	9480000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	35.2 km ²
Perimeter of catchment	30.2 km
Basin Length	10801.0 m
Form factor	0.30147
Circularity ratio	0.48627
Elongation ratio	0.61935
Highest Stream order	5
Max elevation	354.0 m
Min elevation	164.0 m
Mean bifurcation ratio	2.3302
Stream frequency	76.2350 per km ²
Relief	190.00 m
Drainage density	10.2790 km/km ²
Length of overland flow	48.643 m

CATCHMENT CLIMATOLOGY

