

Ambala Dam

Location	21.7042° N, 71.8408° E
State	Gujarat
Nearest City	Shihor
Year of Completion	1942
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	713.7 m
Reservoir Area	130000.0 m ²
Gross storage capacity	2040000.0 m ³
Effective storage capacity	2040000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.1 km ²
Perimeter of catchment	17.7 km
Basin Length	6411.5 m
Form factor	0.31814
Circularity ratio	0.52210
Elongation ratio	0.63624
Highest Stream order	5
Max elevation	123.0 m
Min elevation	55.0 m
Mean bifurcation ratio	2.2627
Stream frequency	74.4760 per km ²
Relief	68.00 m
Drainage density	9.7220 km/km ²
Length of overland flow	51.428 m

CATCHMENT CLIMATOLOGY

