

Shiney Dam

Location	23.0414° N, 70.0575° E
State	Gujarat
Nearest City	Anjar
Year of Completion	1934
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.5 m
Dam length	m
Reservoir Area	1966620.0 m ²
Gross storage capacity	12790000.0 m ³
Effective storage capacity	12790000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	17.9 km ²
Perimeter of catchment	24.3 km
Basin Length	10048.0 m
Form factor	0.17687
Circularity ratio	0.37884
Elongation ratio	0.47439
Highest Stream order	5
Max elevation	92.0 m
Min elevation	27.0 m
Mean bifurcation ratio	2.0726
Stream frequency	70.7810 per km ²
Relief	65.00 m
Drainage density	9.1570 km/km ²
Length of overland flow	54.603 m

CATCHMENT CLIMATOLOGY

