

Jalida Dam

Location	22.4483° N, 71.0272° E
State	Gujarat
Nearest City	Vakaner
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Vangha
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.0 m
Dam length	580.0 m
Reservoir Area	49211.0 m ²
Gross storage capacity	226000.0 m ³
Effective storage capacity	170000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	10.5 km ²
Perimeter of catchment	14.5 km
Basin Length	4260.7 m
Form factor	0.58083
Circularity ratio	0.63376
Elongation ratio	0.85968
Highest Stream order	5
Max elevation	236.0 m
Min elevation	156.0 m
Mean bifurcation ratio	2.6806
Stream frequency	77.7670 per km ²
Relief	80.00 m
Drainage density	10.3880 km/km ²
Length of overland flow	48.132 m

CATCHMENT CLIMATOLOGY

