

Junachay Dam

Location	23.6461° N, 69.0189° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1983
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.8 m
Dam length	443.0 m
Reservoir Area	99800.0 m ²
Gross storage capacity	330000.0 m ³
Effective storage capacity	250000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	5.7 km ²
Perimeter of catchment	11.8 km
Basin Length	4265.6 m
Form factor	0.31079
Circularity ratio	0.50692
Elongation ratio	0.62885
Highest Stream order	5
Max elevation	170.0 m
Min elevation	80.0 m
Mean bifurcation ratio	2.2922
Stream frequency	89.3000 per km ²
Relief	90.00 m
Drainage density	11.8830 km/km ²
Length of overland flow	42.076 m

CATCHMENT CLIMATOLOGY

