

Sanava Dam

Location	23.6072° N, 70.9175° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1941
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Nagtarwalil
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.6 m
Dam length	1554.0 m
Reservoir Area	344961.0 m ²
Gross storage capacity	1770000.0 m ³
Effective storage capacity	1770000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	20.5 km ²
Perimeter of catchment	21.7 km
Basin Length	6992.0 m
Form factor	0.41999
Circularity ratio	0.54746
Elongation ratio	0.73102
Highest Stream order	6
Max elevation	104.0 m
Min elevation	31.0 m
Mean bifurcation ratio	7.2042
Stream frequency	70.1320 per km ²
Relief	73.00 m
Drainage density	8.9350 km/km ²
Length of overland flow	55.962 m

CATCHMENT CLIMATOLOGY

