

Sariyamati Dam

Location	21.8347° N, 70.6594° E
State	Gujarat
Nearest City	Jetpur
Year of Completion	1973
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tbhadra
Dam Type	Earthfill Embankment
Height above lowest foundation level	23.0 m
Dam length	2312.0 m
Reservoir Area	1680000.0 m ²
Gross storage capacity	4870000.0 m ³
Effective storage capacity	4340000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	44.8 km ²
Perimeter of catchment	31.2 km
Basin Length	9849.2 m
Form factor	0.46154
Circularity ratio	0.57856
Elongation ratio	0.76632
Highest Stream order	6
Max elevation	152.0 m
Min elevation	88.0 m
Mean bifurcation ratio	3.0531
Stream frequency	73.9750 per km ²
Relief	64.00 m
Drainage density	9.7800 km/km ²
Length of overland flow	51.123 m

CATCHMENT CLIMATOLOGY

