

Jatavada-li Dam

Location	23.8619° N, 70.7011° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1975
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.9 m
Dam length	784.3 m
Reservoir Area	132670.0 m ²
Gross storage capacity	481000.0 m ³
Effective storage capacity	421000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.9 km ²
Perimeter of catchment	13.5 km
Basin Length	5989.3 m
Form factor	0.13622
Circularity ratio	0.33911
Elongation ratio	0.41632
Highest Stream order	4
Max elevation	135.0 m
Min elevation	31.0 m
Mean bifurcation ratio	2.8199
Stream frequency	84.9320 per km ²
Relief	104.00 m
Drainage density	11.0620 km/km ²
Length of overland flow	45.202 m

CATCHMENT CLIMATOLOGY

