

Jetawada Dam

Location	23.8719° N, 70.7011° E
State	Gujarat
Nearest City	Rapar
Year of Completion	1959
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Bela
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.0 m
Dam length	1130.0 m
Reservoir Area	244638.0 m ²
Gross storage capacity	680000.0 m ³
Effective storage capacity	655000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	4.7 km ²
Perimeter of catchment	12.8 km
Basin Length	4955.8 m
Form factor	0.18948
Circularity ratio	0.35590
Elongation ratio	0.49101
Highest Stream order	4
Max elevation	135.0 m
Min elevation	33.0 m
Mean bifurcation ratio	2.7158
Stream frequency	85.5250 per km ²
Relief	102.00 m
Drainage density	11.1660 km/km ²
Length of overland flow	44.779 m

CATCHMENT CLIMATOLOGY

