

Bela Dam

Location	23.8575° N, 70.7669° 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	16.1 m
Dam length	1018.3 m
Reservoir Area	370720.0 m ²
Gross storage capacity	1850000.0 m ³
Effective storage capacity	1850000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	13.0 km ²
Perimeter of catchment	17.2 km
Basin Length	6477.1 m
Form factor	0.31045
Circularity ratio	0.55231
Elongation ratio	0.62850
Highest Stream order	5
Max elevation	222.0 m
Min elevation	26.0 m
Mean bifurcation ratio	2.7029
Stream frequency	84.3050 per km ²
Relief	196.00 m
Drainage density	11.4450 km/km ²
Length of overland flow	43.688 m

CATCHMENT CLIMATOLOGY

