

Dhameli Dam

Location	21.6697° N, 71.5628° E
State	Gujarat
Nearest City	Damnagar
Year of Completion	1914
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Rangholi
Dam Type	Earthfill Embankment
Height above lowest foundation level	12.5 m
Dam length	640.0 m
Reservoir Area	1247800.0 m ²
Gross storage capacity	1987000.0 m ³
Effective storage capacity	1694000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	72.9 km ²
Perimeter of catchment	42.2 km
Basin Length	11413.0 m
Form factor	0.55994
Circularity ratio	0.51604
Elongation ratio	0.84407
Highest Stream order	6
Max elevation	121.0 m
Min elevation	79.0 m
Mean bifurcation ratio	2.5006
Stream frequency	65.2170 per km ²
Relief	42.00 m
Drainage density	8.0410 km/km ²
Length of overland flow	62.184 m

CATCHMENT CLIMATOLOGY

