

Demi I Dam

Location	22.5572° N, 70.7567° E
State	Gujarat
Nearest City	Morbi
Year of Completion	1958
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Demi
Dam Type	Other
Height above lowest foundation level	17.0 m
Dam length	4268.0 m
Reservoir Area	5440000.0 m ²
Gross storage capacity	21530000.0 m ³
Effective storage capacity	19950000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	159.1 km ²
Perimeter of catchment	70.5 km
Basin Length	27776.0 m
Form factor	0.20625
Circularity ratio	0.40247
Elongation ratio	0.51228
Highest Stream order	6
Max elevation	168.0 m
Min elevation	75.0 m
Mean bifurcation ratio	2.2924
Stream frequency	68.3320 per km ²
Relief	93.00 m
Drainage density	8.7910 km/km ²
Length of overland flow	56.878 m

CATCHMENT CLIMATOLOGY

