

Sargualla Dam

Location	23.2531° N, 69.1111° E
State	Gujarat
Nearest City	Abdasa
Year of Completion	1954
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Naliya
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.9 m
Dam length	557.0 m
Reservoir Area	3600000.0 m ²
Gross storage capacity	194000.0 m ³
Effective storage capacity	194000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	38.1 km ²
Perimeter of catchment	36.9 km
Basin Length	13648.0 m
Form factor	0.20479
Circularity ratio	0.35234
Elongation ratio	0.51046
Highest Stream order	6
Max elevation	273.0 m
Min elevation	79.0 m
Mean bifurcation ratio	2.3364
Stream frequency	76.3390 per km ²
Relief	194.00 m
Drainage density	10.2940 km/km ²
Length of overland flow	48.571 m

CATCHMENT CLIMATOLOGY

