

Vansiali Dam

Location	21.3319° N, 71.4886° E
State	Gujarat
Nearest City	Kundla
Year of Completion	1974
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Stream
Dam Type	Earthfill Embankment
Height above lowest foundation level	m
Dam length	m
Reservoir Area	464.0 m ²
Gross storage capacity	570000.0 m ³
Effective storage capacity	500000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.3 km ²
Perimeter of catchment	7.3 km
Basin Length	2515.8 m
Form factor	0.35798
Circularity ratio	0.53356
Elongation ratio	0.67490
Highest Stream order	4
Max elevation	221.0 m
Min elevation	143.0 m
Mean bifurcation ratio	2.5338
Stream frequency	75.9140 per km ²
Relief	78.00 m
Drainage density	9.6300 km/km ²
Length of overland flow	51.920 m

CATCHMENT CLIMATOLOGY

