

Vanzara Dam

Location	24.1964° N, 72.7836° E
State	Gujarat
Nearest City	Bk
Year of Completion	1969
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Tof Sarasvati
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.1 m
Dam length	192.0 m
Reservoir Area	32601.0 m ²
Gross storage capacity	715000.0 m ³
Effective storage capacity	610000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.6 km ²
Perimeter of catchment	7.8 km
Basin Length	2631.1 m
Form factor	0.37668
Circularity ratio	0.53845
Elongation ratio	0.69230
Highest Stream order	4
Max elevation	437.0 m
Min elevation	278.0 m
Mean bifurcation ratio	2.4629
Stream frequency	79.3790 per km ²
Relief	159.00 m
Drainage density	10.4980 km/km ²
Length of overland flow	47.630 m

CATCHMENT CLIMATOLOGY

