

Vangroli Dam

Location	22.0842° N, 73.2489° E
State	Gujarat
Nearest City	Thabra
Year of Completion	1912
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Vehla
Dam Type	Earthfill Embankment
Height above lowest foundation level	11.5 m
Dam length	2126.0 m
Reservoir Area	11343.0 m ²
Gross storage capacity	5999000.0 m ³
Effective storage capacity	5595000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	239.9 km ²
Perimeter of catchment	85.8 km
Basin Length	28249.0 m
Form factor	0.30065
Circularity ratio	0.41010
Elongation ratio	0.61850
Highest Stream order	7
Max elevation	53.0 m
Min elevation	18.0 m
Mean bifurcation ratio	2.1342
Stream frequency	73.6440 per km ²
Relief	35.00 m
Drainage density	9.7760 km/km ²
Length of overland flow	51.148 m

CATCHMENT CLIMATOLOGY

