

Vankadiajanwa Dam

Location	23.1222° N, 73.8100° E
State	Gujarat
Nearest City	Santrampur
Year of Completion	1984
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.0 m
Dam length	296.0 m
Reservoir Area	704000.0 m ²
Gross storage capacity	2750000.0 m ³
Effective storage capacity	1538000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	11.8 km ²
Perimeter of catchment	18.9 km
Basin Length	6179.1 m
Form factor	0.30920
Circularity ratio	0.41443
Elongation ratio	0.62723
Highest Stream order	5
Max elevation	233.0 m
Min elevation	137.0 m
Mean bifurcation ratio	2.4571
Stream frequency	75.2190 per km ²
Relief	96.00 m
Drainage density	10.0500 km/km ²
Length of overland flow	49.751 m

CATCHMENT CLIMATOLOGY

