

Vali Dam

Location	21.7667° N, 73.3381° E
State	Gujarat
Nearest City	Jhagadia
Year of Completion	1990
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Narmada
River	Local Khadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	20.9 m
Dam length	435.0 m
Reservoir Area	650000.0 m ²
Gross storage capacity	867000.0 m ³
Effective storage capacity	838000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	2.3 km ²
Perimeter of catchment	7.3 km
Basin Length	2102.1 m
Form factor	0.52930
Circularity ratio	0.54488
Elongation ratio	0.82065
Highest Stream order	4
Max elevation	205.0 m
Min elevation	79.0 m
Mean bifurcation ratio	2.4294
Stream frequency	79.9560 per km ²
Relief	126.00 m
Drainage density	10.2960 km/km ²
Length of overland flow	48.564 m

CATCHMENT CLIMATOLOGY

