

Lakhigam Dam

Location	21.3167° N, 73.5139° E
State	Gujarat
Nearest City	Mandvi
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Tapi
River	Dhanki-Khadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.9 m
Dam length	637.0 m
Reservoir Area	1390000.0 m ²
Gross storage capacity	4895000.0 m ³
Effective storage capacity	4685000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	117.4 km ²
Perimeter of catchment	62.0 km
Basin Length	17863.0 m
Form factor	0.36775
Circularity ratio	0.38435
Elongation ratio	0.68404
Highest Stream order	6
Max elevation	377.0 m
Min elevation	78.0 m
Mean bifurcation ratio	2.2334
Stream frequency	72.3510 per km ²
Relief	299.00 m
Drainage density	9.5110 km/km ²
Length of overland flow	52.574 m

CATCHMENT CLIMATOLOGY

