

Koriyani Dam

Location	23.7100° N, 68.6683° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local River
Dam Type	Earthfill Embankment
Height above lowest foundation level	13.4 m
Dam length	1150.0 m
Reservoir Area	259852.0 m ²
Gross storage capacity	2700000.0 m ³
Effective storage capacity	m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	19.9 km ²
Perimeter of catchment	21.6 km
Basin Length	6200.1 m
Form factor	0.51846
Circularity ratio	0.53903
Elongation ratio	0.81221
Highest Stream order	6
Max elevation	49.0 m
Min elevation	11.0 m
Mean bifurcation ratio	2.3416
Stream frequency	68.7400 per km ²
Relief	38.00 m
Drainage density	8.5230 km/km ²
Length of overland flow	58.665 m

CATCHMENT CLIMATOLOGY

