

Hiran-li Dam

Location	21.0244° N, 70.4719° E
State	Gujarat
Nearest City	Talala
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Hiran
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.7 m
Dam length	3050.0 m
Reservoir Area	8030000.0 m ²
Gross storage capacity	38581000.0 m ³
Effective storage capacity	35024000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	425.1 km ²
Perimeter of catchment	116.0 km
Basin Length	38624.0 m
Form factor	0.28493
Circularity ratio	0.39704
Elongation ratio	0.60212
Highest Stream order	7
Max elevation	391.0 m
Min elevation	52.0 m
Mean bifurcation ratio	2.1818
Stream frequency	76.1720 per km ²
Relief	339.00 m
Drainage density	10.4400 km/km ²
Length of overland flow	47.894 m

CATCHMENT CLIMATOLOGY

