

Dhareshi Dam

Location	23.6808° N, 68.8669° E
State	Gujarat
Nearest City	Lakhpat
Year of Completion	1976
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Korwadi Nadi
Dam Type	Earthfill Embankment
Height above lowest foundation level	10.7 m
Dam length	1570.0 m
Reservoir Area	370000.0 m ²
Gross storage capacity	2450000.0 m ³
Effective storage capacity	1850000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	56.0 km ²
Perimeter of catchment	33.9 km
Basin Length	11198.0 m
Form factor	0.44645
Circularity ratio	0.61152
Elongation ratio	0.75369
Highest Stream order	6
Max elevation	234.0 m
Min elevation	57.0 m
Mean bifurcation ratio	2.2588
Stream frequency	76.6790 per km ²
Relief	177.00 m
Drainage density	10.2350 km/km ²
Length of overland flow	48.852 m

CATCHMENT CLIMATOLOGY

