

Koyadam Dam

Location	23.2433° N, 73.4514° E
State	Gujarat
Nearest City	Vadasinor
Year of Completion	1962
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Vahela
Dam Type	Earthfill Embankment
Height above lowest foundation level	18.7 m
Dam length	175.0 m
Reservoir Area	138000.0 m ²
Gross storage capacity	25465000.0 m ³
Effective storage capacity	24168000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	14.5 km ²
Perimeter of catchment	17.3 km
Basin Length	4770.5 m
Form factor	0.63520
Circularity ratio	0.60845
Elongation ratio	0.89901
Highest Stream order	5
Max elevation	196.0 m
Min elevation	125.0 m
Mean bifurcation ratio	2.2352
Stream frequency	70.2150 per km ²
Relief	71.00 m
Drainage density	8.7360 km/km ²
Length of overland flow	57.236 m

CATCHMENT CLIMATOLOGY

