

Shamalkuav Dam

Location	22.7528° N, 73.6806° E
State	Gujarat
Nearest City	Ghoghmba
Year of Completion	1982
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Mahi
River	Kotar
Dam Type	Earthfill Embankment
Height above lowest foundation level	25.1 m
Dam length	282.5 m
Reservoir Area	330000.0 m ²
Gross storage capacity	1220000.0 m ³
Effective storage capacity	970000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	28.1 km ²
Perimeter of catchment	23.6 km
Basin Length	9086.5 m
Form factor	0.34043
Circularity ratio	0.63657
Elongation ratio	0.65815
Highest Stream order	5
Max elevation	188.0 m
Min elevation	138.0 m
Mean bifurcation ratio	2.1625
Stream frequency	69.3050 per km ²
Relief	50.00 m
Drainage density	8.8740 km/km ²
Length of overland flow	56.345 m

CATCHMENT CLIMATOLOGY

