

Muval Dam

Location	21.8539° N, 70.0639° E
State	Gujarat
Nearest City	Jamjodhpur
Year of Completion	1981
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Local Voklo
Dam Type	Earthfill Embankment
Height above lowest foundation level	19.8 m
Dam length	380.0 m
Reservoir Area	548191.0 m ²
Gross storage capacity	2270000.0 m ³
Effective storage capacity	2120000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	32.2 km ²
Perimeter of catchment	26.4 km
Basin Length	6601.1 m
Form factor	0.73869
Circularity ratio	0.58201
Elongation ratio	0.96948
Highest Stream order	6
Max elevation	249.0 m
Min elevation	88.0 m
Mean bifurcation ratio	2.3636
Stream frequency	77.7610 per km ²
Relief	161.00 m
Drainage density	10.6710 km/km ²
Length of overland flow	46.855 m

CATCHMENT CLIMATOLOGY

