

Munjiasar Dam

Location	21.4667° N, 70.9167° E
State	Gujarat
Nearest City	Kunkavav Vadia
Year of Completion	1957
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Munjasar
Dam Type	Earthfill Embankment
Height above lowest foundation level	22.4 m
Dam length	4602.0 m
Reservoir Area	5950000.0 m ²
Gross storage capacity	14700000.0 m ³
Effective storage capacity	11800000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	118.0 km ²
Perimeter of catchment	60.8 km
Basin Length	15889.0 m
Form factor	0.46738
Circularity ratio	0.40153
Elongation ratio	0.77116
Highest Stream order	6
Max elevation	268.0 m
Min elevation	155.0 m
Mean bifurcation ratio	2.2650
Stream frequency	74.4490 per km ²
Relief	113.00 m
Drainage density	10.0070 km/km ²
Length of overland flow	49.965 m

CATCHMENT CLIMATOLOGY

