

Domda M.I Dam

Location	22.2881° N, 70.6033° E
State	Gujarat
Nearest City	Lodhi Ka Mahal
Year of Completion	1986
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	T-Und
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	1400.0 m
Reservoir Area	500000.0 m ²
Gross storage capacity	1070000.0 m ³
Effective storage capacity	870000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	56.2 km ²
Perimeter of catchment	40.0 km
Basin Length	15858.0 m
Form factor	0.22348
Circularity ratio	0.44150
Elongation ratio	0.53325
Highest Stream order	6
Max elevation	168.0 m
Min elevation	99.0 m
Mean bifurcation ratio	2.4583
Stream frequency	65.7260 per km ²
Relief	69.00 m
Drainage density	8.1210 km/km ²
Length of overland flow	61.571 m

CATCHMENT CLIMATOLOGY

