

Shel-Dedumal Dam

Location	21.3061° N, 71.2333° E
State	Gujarat
Nearest City	Savarkundla
Year of Completion	1999
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Dedumal
Dam Type	Earthfill Embankment
Height above lowest foundation level	17.3 m
Dam length	2850.5 m
Reservoir Area	1922300.0 m ²
Gross storage capacity	7819000.0 m ³
Effective storage capacity	7350000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	60.2 km ²
Perimeter of catchment	47.3 km
Basin Length	18241.0 m
Form factor	0.18103
Circularity ratio	0.33823
Elongation ratio	0.47994
Highest Stream order	6
Max elevation	378.0 m
Min elevation	175.0 m
Mean bifurcation ratio	2.0644
Stream frequency	71.4690 per km ²
Relief	203.00 m
Drainage density	9.4730 km/km ²
Length of overland flow	52.782 m

CATCHMENT CLIMATOLOGY

