

Tappar Dam

Location	23.2589° N, 70.1436° E
State	Gujarat
Nearest City	Anjar
Year of Completion	1995
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Sakara
Dam Type	Earthfill Embankment
Height above lowest foundation level	16.0 m
Dam length	4054.0 m
Reservoir Area	11450000.0 m ²
Gross storage capacity	48820000.0 m ³
Effective storage capacity	48555000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	278.5 km ²
Perimeter of catchment	99.6 km
Basin Length	35132.0 m
Form factor	0.22562
Circularity ratio	0.35311
Elongation ratio	0.53579
Highest Stream order	7
Max elevation	198.0 m
Min elevation	20.0 m
Mean bifurcation ratio	2.3990
Stream frequency	70.9960 per km ²
Relief	178.00 m
Drainage density	9.2430 km/km ²
Length of overland flow	54.098 m

CATCHMENT CLIMATOLOGY

