

Paneli Dam

Location	21.8883° N, 70.1558° E
State	Gujarat
Nearest City	Upleta
Year of Completion	1906
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Fulzar
Dam Type	Earthfill Embankment
Height above lowest foundation level	14.0 m
Dam length	3468.0 m
Reservoir Area	3700000.0 m ²
Gross storage capacity	19820000.0 m ³
Effective storage capacity	5460000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	118.8 km ²
Perimeter of catchment	52.2 km
Basin Length	20108.0 m
Form factor	0.29373
Circularity ratio	0.54695
Elongation ratio	0.61134
Highest Stream order	7
Max elevation	244.0 m
Min elevation	69.0 m
Mean bifurcation ratio	2.6700
Stream frequency	75.9680 per km ²
Relief	175.00 m
Drainage density	10.2380 km/km ²
Length of overland flow	48.838 m

CATCHMENT CLIMATOLOGY

