

Hasanpur Dam

Location	21.5767° N, 70.5181° E
State	Gujarat
Nearest City	Junagadh
Year of Completion	1964
Operated and Maintained by	Gujarat Engineering Research Institute
River Basin	Sabarmati
River	Noli
Dam Type	Earthfill Embankment
Height above lowest foundation level	21.5 m
Dam length	408.0 m
Reservoir Area	919034.0 m ²
Gross storage capacity	8530000.0 m ³
Effective storage capacity	8389000.0 m ³

CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	23.2 km ²
Perimeter of catchment	19.8 km
Basin Length	6415.2 m
Form factor	0.56393
Circularity ratio	0.74572
Elongation ratio	0.84708
Highest Stream order	6
Max elevation	1014.0 m
Min elevation	104.0 m
Mean bifurcation ratio	3.3177
Stream frequency	100.1800 per km ²
Relief	910.00 m
Drainage density	15.8610 km/km ²
Length of overland flow	31.524 m

CATCHMENT CLIMATOLOGY

