

## Ranjaniwadi K.T.Weir Dam

Location	19.6967° N, 75.9814° E
State	Maharashtra
Nearest City	Ghanshwangi
Year of Completion	2009
Operated and Maintained by	Maharashtra Water Resources Department
River Basin	Godavari
River	Dudhana
Dam Type	Earthfill Embankment
Height above lowest foundation level	15.9 m
Dam length	143.0 m
Reservoir Area	49130.0 m <sup>2</sup>
Gross storage capacity	1940000.0 m <sup>3</sup>
Effective storage capacity	1940000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
Area of catchment	1974.7 km <sup>2</sup>
Perimeter of catchment	243.4 km
Basin Length	74476.0 m
Form factor	0.35601
Circularity ratio	0.41891
Elongation ratio	0.67304
Highest Stream order	8
Max elevation	929.0 m
Min elevation	456.0 m
Mean bifurcation ratio	2.3726
Stream frequency	75.2860 per km <sup>2</sup>
Relief	473.00 m
Drainage density	10.4580 km/km <sup>2</sup>
Length of overland flow	47.809 m

## CATCHMENT CLIMATOLOGY

