

## Nirallapallam Weir Dam

<b>Location</b>	11.2861° N, 76.7561° E
<b>State</b>	Tamil Nadu
<b>Nearest City</b>	Mettupalayam
<b>Year of Completion</b>	1966
<b>Operated and Maintained by</b>	Tamil Nadu Electricity Generation and Distribution Corporation
<b>River Basin</b>	Cauvery
<b>River</b>	N.Pallam
<b>Dam Type</b>	Earthfill Embankment
<b>Height above lowest foundation level</b>	18.0 m
<b>Dam length</b>	60.0 m
<b>Reservoir Area</b>	66764.0 m <sup>2</sup>
<b>Gross storage capacity</b>	m <sup>3</sup>
<b>Effective storage capacity</b>	m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	47.4 km <sup>2</sup>
<b>Perimeter of catchment</b>	34.0 km
<b>Basin Length</b>	10101.0 m
<b>Form factor</b>	0.46423
<b>Circularity ratio</b>	0.51397
<b>Elongation ratio</b>	0.76855
<b>Highest Stream order</b>	6
<b>Max elevation</b>	2216.0 m
<b>Min elevation</b>	1123.0 m
<b>Mean bifurcation ratio</b>	2.7205
<b>Stream frequency</b>	79.2520 per km <sup>2</sup>
<b>Relief</b>	1093.00 m
<b>Drainage density</b>	11.7540 km/km <sup>2</sup>
<b>Length of overland flow</b>	42.539 m

## CATCHMENT CLIMATOLOGY

