

## Parson Valley Dam

<b>Location</b>	11.3944° N, 76.5931° E
<b>State</b>	Tamil Nadu
<b>Nearest City</b>	Uthagamandalam
<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>	Parsons Valley
<b>Dam Type</b>	Masonry Gravity
<b>Height above lowest foundation level</b>	43.0 m
<b>Dam length</b>	146.0 m
<b>Reservoir Area</b>	663213.0 m <sup>2</sup>
<b>Gross storage capacity</b>	19250000.0 m <sup>3</sup>
<b>Effective storage capacity</b>	17190000.0 m <sup>3</sup>

## CATCHMENT CHARACTERISTICS

Catchment Properties	Values
<b>Area of catchment</b>	14.6 km <sup>2</sup>
<b>Perimeter of catchment</b>	20.3 km
<b>Basin Length</b>	5482.6 m
<b>Form factor</b>	0.48627
<b>Circularity ratio</b>	0.44449
<b>Elongation ratio</b>	0.78659
<b>Highest Stream order</b>	5
<b>Max elevation</b>	2392.0 m
<b>Min elevation</b>	2165.0 m
<b>Mean bifurcation ratio</b>	2.4937
<b>Stream frequency</b>	69.2350 per km <sup>2</sup>
<b>Relief</b>	227.00 m
<b>Drainage density</b>	9.3270 km/km <sup>2</sup>
<b>Length of overland flow</b>	53.610 m

## CATCHMENT CLIMATOLOGY

