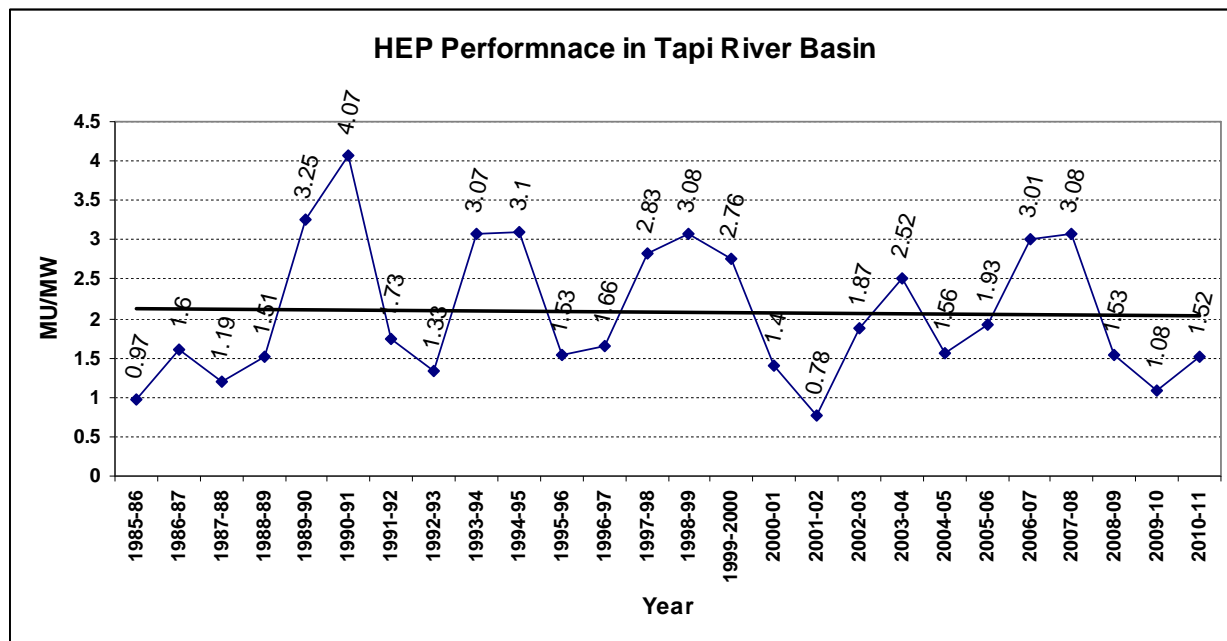


## Hydropower Generation Performance in Tapi Basin

The Tapi River originates in the Betul district in the eastern Satpura Range of southern Madhya Pradesh. It flows westward, draining Madhya Pradesh's Nimar region, Maharashtra's Kandesh and east Vidarbha regions in the northwest corner of the Deccan Plateau and south Gujarat, before emptying into the Gulf of Cambay of the Arabian Sea, in the Surat District of Gujarat. The basin lies in the states of Maharashtra (51,504 km<sup>2</sup>), Madhya Pradesh (9,804 km<sup>2</sup>) and Gujarat (3,837 km<sup>2</sup>). The project wise generation data of large hydro with installed capacity of the basin in the latest year 2010-11.

Projects	Inst Capacity (MW)	Generation (MU)	MU/MW
Ukai	300	457	1.52
<b>Total</b>	<b>300</b>	<b>457</b>	<b>1.52</b>



- The above graph shows the trend line of power generation of Big Hydropower projects for last 26 years in the basin, the trend-line shows diminishing generation from existing hydro power projects of Tapi River Basin.
- It shows that the per MW generation in 2010-11 (1.52) has dropped by a huge 62.65% from the highest per MW generation (4.07) achieved in the year 1990-91.
- All generation figures have been taken from official data of Central Electricity Authority (CEA).