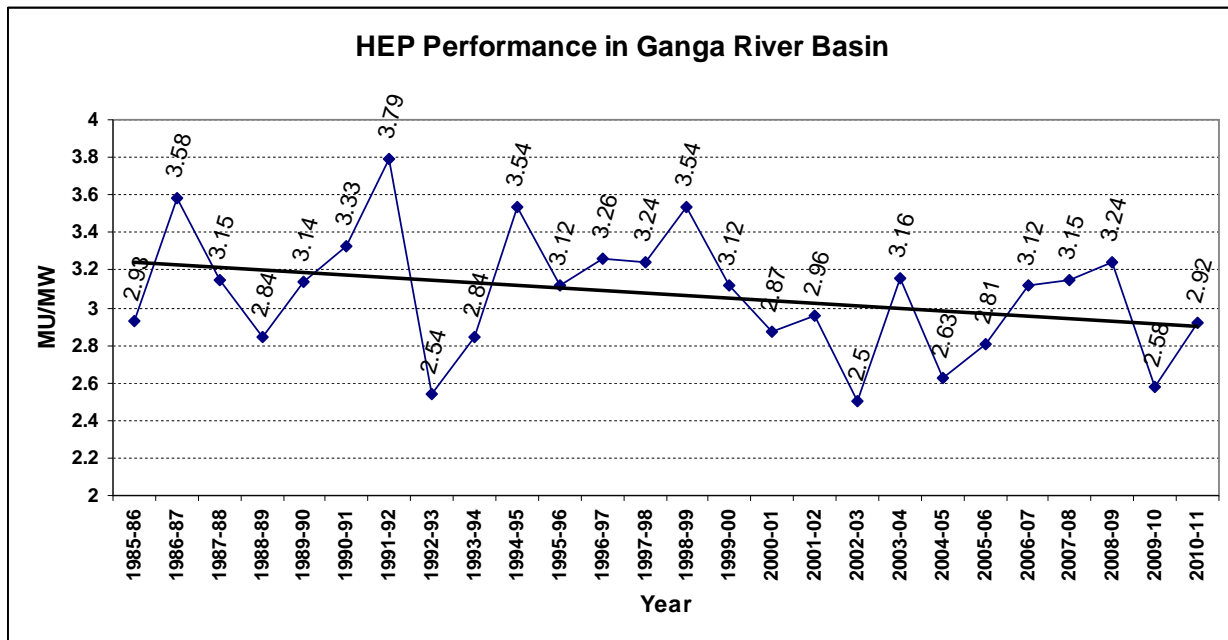


## Hydropower Generation Performance in Ganga Basin

The Ganga or Ganges river is a trans-boundary river of India and Bangladesh. The 2,525 km river rises in the western Himalayas in the Indian state of Uttarakhand, and flows south and east through the Gangetic Plain of North India into Bangladesh, where it empties into the Bay of Bengal. The Ganga begins at the confluence of the Bhagirathi and Alaknanda rivers. The Sub-basin 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
Projects in Yamuna River Basin	666.75	2234	3.351
Projects in Alaknanda River Basin	400	2022	5.06
Projects in Bhagirathi River Basin	1394	4956	3.56
Projects in Chambal River Basin	386	409	1.06
Projects in Betwa River Basin	75.6	136	1.8
Projects in Sharda River Basin	613.6	2081	3.39
Projects in Tons River Basin	315	705	2.24
Projects in Sone River Basin	489	410	0.84
Projects in Damodar River Basin	143.2	115	0.8
<b>Total</b>	<b>4483.15</b>	<b>13068</b>	<b>2.92</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 Ganga River Basin.
- It shows that the per MW generation in 2010-11 (2.92) has dropped by a 22.96% from the highest per MW generation (3.79) achieved in the year 1991-92.
- All generation figures have been taken from official data of Central Electricity Authority (CEA).