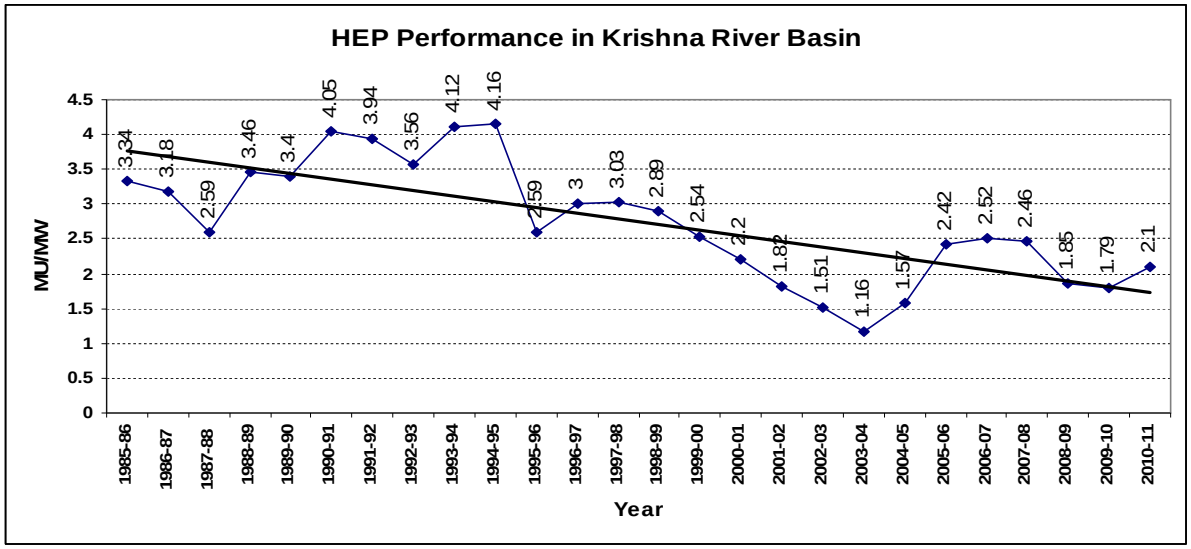
Hydropower Generation Performance in Krishna Basin

Krishna river originates from Mahabaleswar in district satara, Maharashtra in the west and meets the Bay of Bengal at Hamasaladeevi in Andhra Pradesh, on the east coast. It also flows through the state of Karnataka. In the way it meets with some major tributaries like Bhima, Dindi, Peddavagu, Halia, Musi, Mula, Paleru, Munneru, Venna, Koyna, Panchganga, Dudhganga, Ghataprabha, Malaprabha and Tungabhadra. 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
Almatti	290	540	1.86
Nagarjun Sagar	815.6	1298	1.59
Nagarjun Sagar RBC	90	283	3.14
Nagarjun Sagar LBC	60	137	2.28
Srisailam	770	1833	2.38
Srisailam LBC	900	1994	2.22
Total	**2925.6**	**6085**	**2.08**
Projects in Mula Sub Basin	380	956	2.52
Projects in Bhima Sub Basin	147	435	2.96
Projects in Koyna Sub Basin	1956	3789	1.94
Projects in Ghatprabha Sub Basin	32	91	2.84
Projects in Tungbhadra Sub Basin	139.2	362	2.6
Grand Total	**5579.8**	**11718**	**2.1**



- 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 Krishna River Basin.
- It shows that the per MW generation in 2010-11 (2.1) has dropped by a huge 49.52% from the highest per MW generation (4.16) achieved in the year 1994-95.
- All generation figures have been taken from official data of Central Electricity Authority (CEA).

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