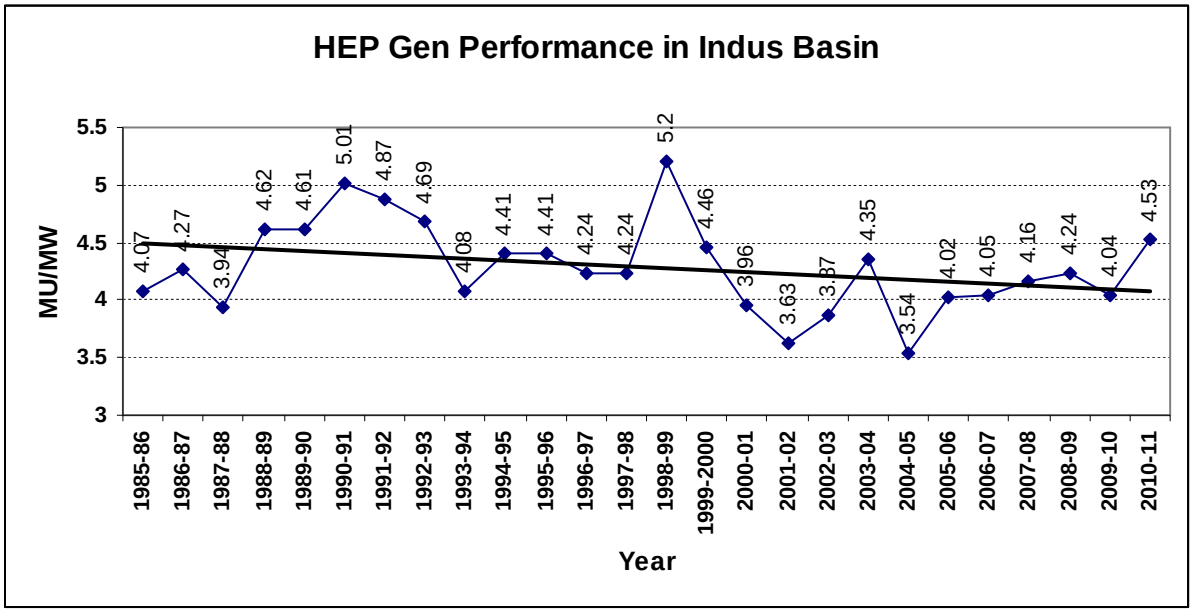
Hydropower Generation Performance in Indus Basin

The river rises in the southwestern Tibet Autonomous Region of China. Originating in the Tibetan plateau of western China in the vicinity of Lake Mansarovar in Tibet Autonomous Region, the river runs a course through the Ladakh district of Jammu and Kashmir and then enters Pakistan via the Northern Areas (Gilgit-Baltistan), flowing through the North in a southerly direction along the entire length of Pakistan, to merge into the Arabian Sea near the port city of Karachi in Sindh. 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
Sutlej	3534.3	16665	4.72
Beas	1975	7518	3.81
Ravi	1638	6291	3.84
Chenab	1530	8343	5.45
Jhelum	712.6	3711	5.21
Total	**9389.9**	**42528**	**4.53**



- 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 Indus River Basin.
- It shows that the per MW generation in 2010-11 (4.53) has dropped by a 12.88% from the highest per MW generation (5.2) achieved in the year 1988-89.
- All generation figures have been taken from official data of Central Electricity Authority (CEA).

South Asia Network on Dams, Rivers & People (www.sandrp.in) January 2012
ht.sandrp@gmail.com