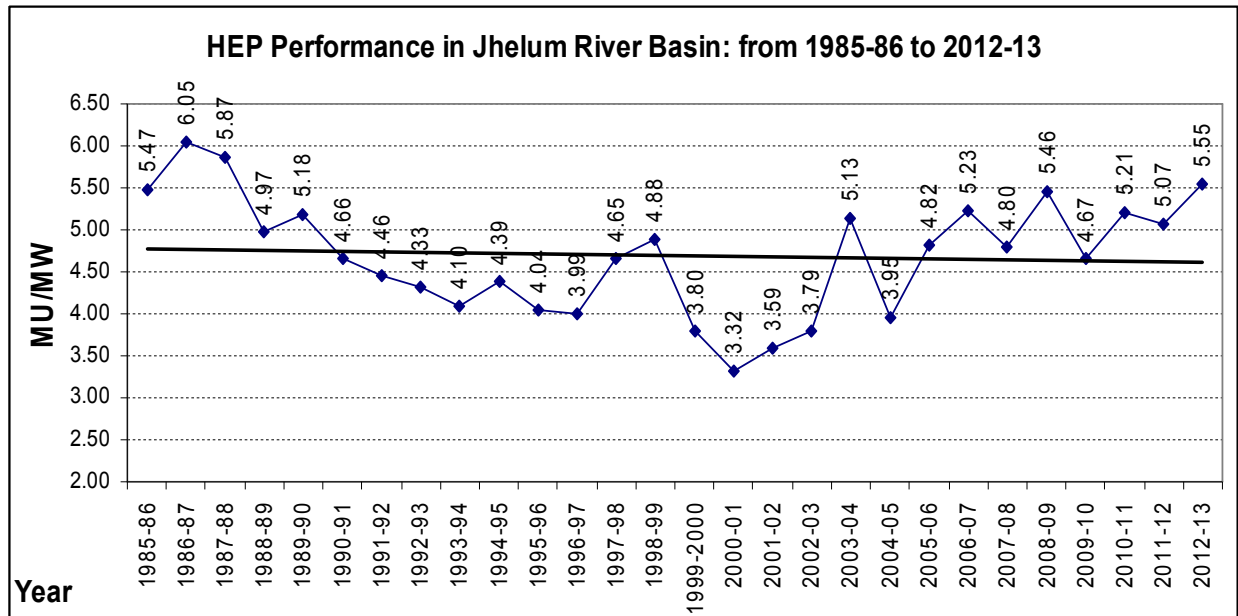


## Hydropower Generation Performance in Jhelum River Basin

The Jhelum River Basin is the major part of Chenab River Basin, which is a part of Indus River Basin. The River starts from a mountain spur at Verinag. The river flows through the Kashmir Valley for a length of 400 km and crosses the Pirpanjal range through a deep gorge. A number of tributaries notable the Lidder, the Sind and the Pohru rivers, which rise in Kashmir join the main river. The river joins the Chenab at Trimmu. The catchment area up to the Indo-Pakistan border is 34,775 sq km.

The project wise generation data of large hydro with installed capacity of the basin in the latest year 2012-13.

SN	Projects	State	Inst Capacity (MW)	Generation (MU)	MU/MW
1	Lower Jhelum	Jammu & Kashmir	105	552	5.26
2	Upper Sindh-II	Jammu & Kashmir	105	309	2.94
3	Uri	Jammu & Kashmir	480	2967	6.18
	<b>Total</b>		690	3828	5.55



- The above graph shows the trend line of power generation of Big Hydropower projects for last 28 years in the basin, the trend-line shows diminishing generation from existing hydro power projects of Jhelum River Basin.
- It shows that the per MW generation in 2012-13 (5.55) has dropped by 8.26% from the highest per MW generation (6.05) achieved in the year 1986-87.
- All generation figures have been taken from official data of Central Electricity Authority (CEA).

**List of other projects (up to 25 MW) under operation (for which latest generation figures not available):**

SN	Project	Ins Cap (MW)	State
1	Upper Sindh-I	22.6	Jammu & Kashmir
2	Ganderbal	15	Jammu & Kashmir
3	Pahalgam	3	Jammu & Kashmir
4	Karnah	2	Jammu & Kashmir
5	Mohra	9	Jammu & Kashmir
	<b>Total</b>	<b>51.6</b>	

Source: <http://jkspdc.nic.in/inv.htm>

**List of proposed and under construction projects in the basin:**

	Project	Ins Cap (MW)	State	Status
1	Uri-II	240	Jammu & Kashmir	Under Construction
2	Kishenganga	330	Jammu & Kashmir	Under Construction
3	Parnai	37.5	Jammu & Kashmir	Under Construction
4	New Ganderbal	93	Jammu & Kashmir	Under Construction
5	Athwathoo	10.00	Jammu & Kashmir	Proposed IPP Project
6	Tangmarg	10.00	Jammu & Kashmir	Proposed IPP Project
7	Hirapora	12.00	Jammu & Kashmir	Proposed IPP Project
8	Brenwar	7.50	Jammu & Kashmir	Proposed IPP Project
9	Kahmil	4.00	Jammu & Kashmir	Proposed IPP Project
10	Boniyar	12.00	Jammu & Kashmir	Proposed IPP Project
11	Mandi	12.50	Jammu & Kashmir	Proposed IPP Project
12	Shukhnag	9.00	Jammu & Kashmir	Proposed IPP Project
13	Nihama	6.00	Jammu & Kashmir	Proposed IPP Project
14	Shaliganga	4.50	Jammu & Kashmir	Proposed IPP Project
15	Bringi	4.00	Jammu & Kashmir	Proposed IPP Project
16	Boniyar	6.00	Jammu & Kashmir	Proposed IPP Project
17	Mawar	10.00	Jammu & Kashmir	Proposed IPP Project
18	Erin	10.00	Jammu & Kashmir	Proposed IPP Project
19	Shranz	10.00	Jammu & Kashmir	Proposed IPP Project
20	Kutmarg	7.50	Jammu & Kashmir	Proposed IPP Project
21	Achura Gurez	7.00	Jammu & Kashmir	Proposed IPP Project
22	Pomai Aridajan	4.00	Jammu & Kashmir	Proposed IPP Project
23	Kutbal	3.05	Jammu & Kashmir	Proposed IPP Project
24	Sultanpathri	3.00	Jammu & Kashmir	Proposed IPP Project
25	Girjan Ki Gali	12	Jammu & Kashmir	Proposed IPP Project
	<b>Total</b>	<b>864.55</b>	--	--

Source: <http://envfor.nic.in>  
<http://jkspdc.nic.in/inv.htm>

**Map of Hydroelectric Projects in Jhelum River Basin available at:**

[http://sandrp.in/basin\\_maps/Hydro\\_Electric\\_Projects\\_on\\_Jhelum\\_River\\_Basin.pdf](http://sandrp.in/basin_maps/Hydro_Electric_Projects_on_Jhelum_River_Basin.pdf)