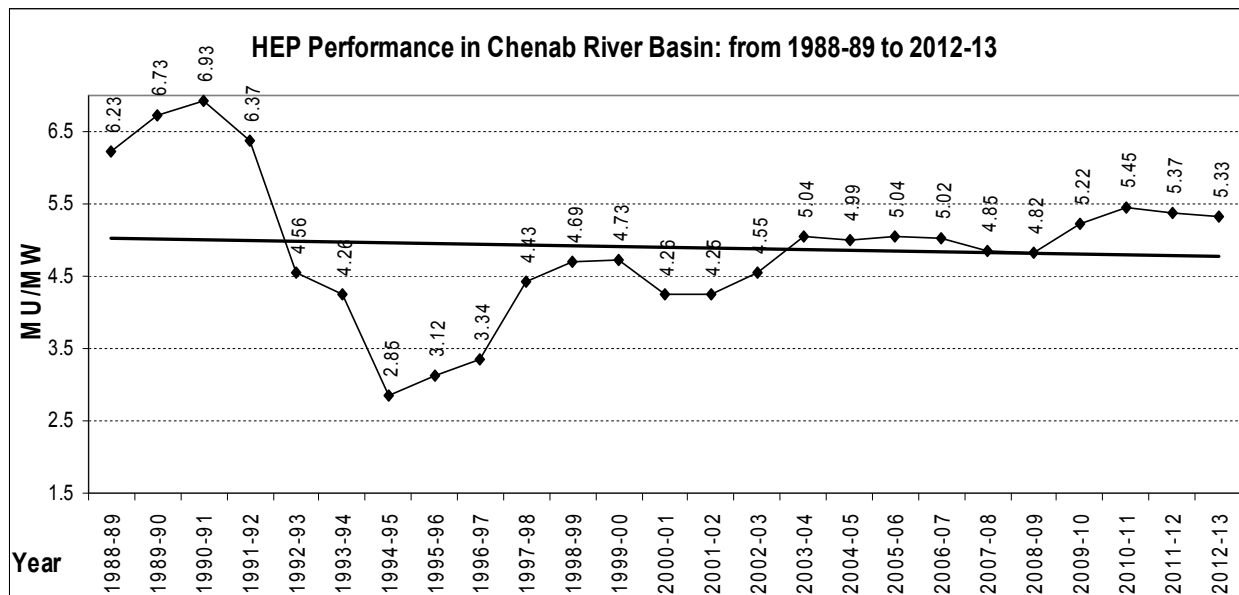


Hydropower Generation Performance in Chenab River Basin

The Chenab River Basin is the major part of Indus River Basin. This river is formed by the Chandra and Bhaga, which rises in Lahul. It flows through Himachal Pradesh and Kashmir and is known as Chandra-Bhaga or Chenab. It then Traverses 330 km to Akhnur where it enters Pakistan. It flows 644 km more to Panjnad, joins the Sutlej after receiving the eaters from Jhelum at Trimmu and the Ravi lower down, its catchment area up to the Indo-akistan border is 26,155 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	Baglihar	Jammu & Kashmir	450	2839	6.31
2	Dulhasti	Jammu & Kashmir	390	2043	5.24
3	Salal	Jammu & Kashmir	690	3277	4.75
	Total	--	1530	8159	5.33



- The above graph shows the trend line of power generation of Big Hydropower projects for last 25 years in the basin. the trend-line shows diminishing generation from existing hydro power projects of Chenab River Basin.
- It shows that the per MW generation in 2012-13 (5.33) has dropped by a huge 23.09% from the highest per MW generation (6.93) achieved in the year 1990-91.
- 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	Chenani-I	23.30	Jammu & Kashmir
2	Chennai-II	2	Jammu & Kashmir
3	Chenani-III	7.5	Jammu & Kashmir
4	Bhaderwah	1	Jammu & Kashmir
	Total	33.8	--

List of proposed and under construction projects in the basin:

	Project	Ins Cap (MW)	State	Status
1	Bhaderwah Unit-III	0.5	Jammu & Kashmir	Under Construction
2	Pakul Dul	1000	Jammu & Kashmir	Under Construction
3	Baglihar-II	450	Jammu & Kashmir	Under Construction
4	Bardang	126	Himachal Pradesh	Proposed
5	Chattru	108	Himachal Pradesh	Proposed
6	Miyar	90	Himachal Pradesh	Proposed
7	Tinget	81	Himachal Pradesh	Proposed
8	Teling	69	Himachal Pradesh	Proposed
9	Tandi	104	Himachal Pradesh	Proposed
10	Rashil	102	Himachal Pradesh	Proposed
11	Gondhala	144	Himachal Pradesh	Proposed
12	Khoksar	90	Himachal Pradesh	Proposed
13	Patam	60	Himachal Pradesh	Proposed
14	Seli	454	Himachal Pradesh	Proposed
15	Dugar	236	Himachal Pradesh	Proposed
16	Gyspa	170	Himachal Pradesh	Proposed
17	Sach-Khas	149	Himachal Pradesh	Proposed
18	Reoli/Dugli	268	Himachal Pradesh	Proposed
19	Ratle	850	Jammu & Kashmir	Proposed
20	Bursar	1020	Jammu & Kashmir	Proposed
21	Kwar	520	Jammu & Kashmir	Proposed
22	Sawalkote I&II	1200	Jammu & Kashmir	Proposed
23	Lower Kalnai	50	Jammu & Kashmir	Proposed
24	Kirithai-I	240	Jammu & Kashmir	Proposed
25	Kiru	600	Jammu & Kashmir	Proposed
26	Ranjala Dunadi	15	Jammu & Kashmir	IPP Projects
27	Hanswar Paddar	6	Jammu & Kashmir	IPP Projects
28	Gulabgarh	6.5	Jammu & Kashmir	IPP Projects
29	Chenani IV	7	Jammu & Kashmir	IPP Projects
30	Chingus-I	3	Jammu & Kashmir	IPP Projects
31	Chingus-II	3	Jammu & Kashmir	IPP Projects
32	Upper Ans	3	Jammu & Kashmir	IPP Projects
	Total	8225	--	--

EAC: Expert Appraisal Committee of MoEF; FAC: Forest Advisory Committee of MoEF

Source: http://www.hpseb.com/hydro_potential.htm; <http://envfor.nic.in>
<http://jkspdc.nic.in/exist.htm>

Map of Hydroelectric Projects in Chenab River Basin available at:

http://sandrp.in/basin_maps/Hydro_%20Electric_Projects_in_Chenab_River_Basin.pdf

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