

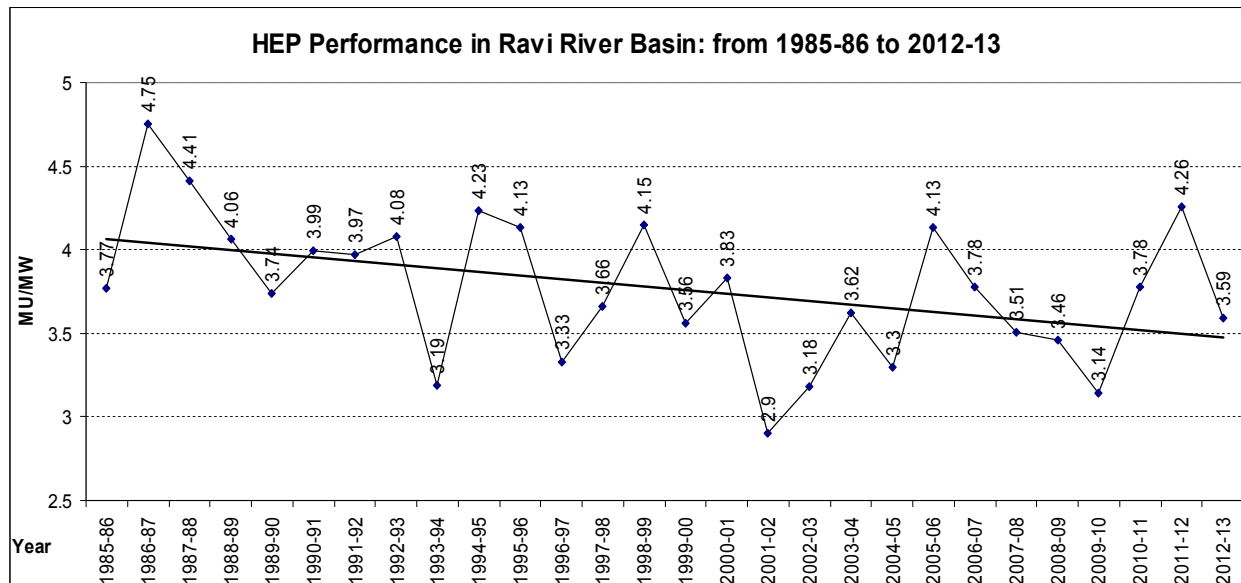
Hydropower Generation Performance in Ravi River Basin

The Ravi River Basin is the major part of Indus River Basin. It rises in Kullu of Himachal Pradesh, flows north-west through a triangle formed by the junction of the Pirpanjal and Dhaola Dhar ranges. It enters Punjab plains near Madhopur and later enters Pakistan 26 km below Amritsar. The Catchment area of the basin is 14,442 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	Ins. Capacity (MW)	Generation (MU)	MU/MW
1	Baira Siul	Himachal Pradesh	198	721	3.64
2	Chamera-I	Himachal Pradesh	540	2442	4.52
3	Chamera-II	Himachal Pradesh	300	1433	4.78
4	Ranjit Sagar	Punjab	600	1430	2.38
5	Sewa-II	Jammu & Kashmir	120	484	4.03
6	Budhil*	Himachal Pradesh	70	157	2.24
7	Chamera-III*	Himachal Pradesh	231	716	3.10
	Total	--	2059	7383	3.59

* The Generation figures for Budhil and Chamera-II are available for one year only as they commissioned in the year 2011.



- 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 Ravi River Basin.
- It shows that the per MW generation in 2012-13 (3.59) has dropped by a huge 24.42% from the highest per MW generation (4.75) 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	Sal-II	2.00	Himachal Pradesh
2	Holi	3.00	Himachal Pradesh
3	Bhuri Singh P/House	0.45	Himachal Pradesh
4	Killar	0.30	Himachal Pradesh
5	Thirot	4.50	Himachal Pradesh
6	Sewa-III	9	Jammu & Kashmir
7	UBDC Canal Projects	91.35	Punjab
	Total	110.6	

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

List of proposed and under construction projects in the basin:

	Project	Ins Cap (MW)	State	Status
1	Chanju-I	36	Himachal Pradesh	EAC Recommended
2	Chanju-II	17	Himachal Pradesh	Under Construction
3	Bara Banghal	200	Himachal Pradesh	Under Construction
4	Bajoli-Holi	180	Himachal Pradesh	Under Construction
5	Kuther	260	Himachal Pradesh	Under Construction
6	Suil	13	Himachal Pradesh	Under Construction
7	Sal-I	6.5	Himachal Pradesh	Under Construction
8	Sai Kothi-I	17	Himachal Pradesh	Under Construction
9	Harsar	60	Himachal Pradesh	Under Construction
10	Bharmour	45	Himachal Pradesh	Under Construction
11	Ujh Multipurpose Project	280	Jammu & Kashmir	Proposed
12	Devi Kothi-II	13.5	Himachal Pradesh	Proposed
13	Channi	18	Himachal Pradesh	Proposed
14	Sai Kothi-II	15	Himachal Pradesh	Proposed
15	Chamba	126	Himachal Pradesh	Proposed
16	Drung	5	Jammu & Kashmir	IPP
	Total	1292	--	--

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/up.htm>

Map of Hydroelectric Projects in Ravi River Basin available at:

http://sandrp.in/basin_maps/Hydropower_Projects_in_Ravi_Basin.pdf

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