

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
STARRED QUESTION NO.217
ANSWERED ON 03.08.2023**

IMPACT OF HEAVY RAINS ON HYDRO POWER PLANTS

***217. SHRI BIDYUT BARAN MAHATO:
SHRI SUDHEER GUPTA:**

**Will the Minister of POWER
be pleased to state:**

- (a) whether accumulation of silt due to heavy rains in Northern parts of the country has disrupted operations at hydro power plants and if so, the details thereof, plant-wise;**
- (b) whether several hydro power projects in Jammu & Kashmir, Himachal Pradesh and Uttarakhand have been shut for the past few days due to heavy rains;**
- (c) if so, the details thereof, hydro power plant-wise and the amount of revenue loss to the Government due to non-operation of these hydro power plants;**
- (d) whether the Government has sent any Central team to monitor the situation of the hydro power plants affected by the torrential rains and if so, the details thereof and if not, the reasons therefor;**
- (e) whether the Government has also instructed the head of hydro power projects to constitute a high-level committee to closely monitor the situation at the areas around the projects and if so, the details thereof; and**
- (f) the time by which the said hydro power plants are likely to be fully operationalized?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (f) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) IN RESPECT OF LOK SABHA STARRED QUESTION NO.217 FOR REPLY ON 03.08.2023 REGARDING IMPACT OF HEAVY RAINS ON HYDRO POWER PLANTS ASKED BY SHRI BIDYUT BARAN MAHATO AND SHRI SUDHEER GUPTA

(a) to (c) : Due to heavy rains and high silt, a number of hydro projects under operation by Central and State PSUs were temporarily shut down. The details of these projects along with revenue loss to the generating companies is given at Annexure-I. In addition, some private sector projects were also shut down, the detail of these projects along with revenue loss is given at Annexure-II.

(d) : Ministry of Home Affairs vide its O.M. Nos. 09-01/2023- NDM-I and 28-03/2023-NDM-I dated 14.07.2023 constituted Inter-Ministerial Central Teams for an on-the-spot first hand assessment of the damage and relief work carried out in Himachal Pradesh and Uttarakhand by the respective State Administration. The teams were led by MHA and included representatives from the Ministries/ Departments of Agriculture & Farmers Welfare, Finance (Deptt. of Expenditure), Jal Shakti (Deptt. of Water Resources), Power, Road Transport & Highways, Rural Development and National Remote Sensing Centre (NRSC).

(e) & (f) : All Hydro Electric Projects except Larji HEP (126 MW) of Himachal Pradesh State Electricity Board Limited have already been re-operationalized. Larji HEP is likely to be fully operationalized by January, 2024.

ANNEXURE-I

**ANNEXURE REFERRED TO IN PARTS (a) TO (c) OF THE STATEMENT LAID IN
REPLY TO STARRED QUESTION NO. 217 ANSWERED IN THE LOK SABHA ON
03.08.2023 REGARDING IMPACT OF HEAVY RAINS ON HYDRO POWER PLANTS**

Central/State Sector Projects which were shut down due to heavy rains and high silt						
Sl. No.	Project Name	Installed Capacity (MW)	State	Utility Name	Duration of Shut down	Total Revenue loss (Rs. in Crores)
CENTRAL SECTOR						
1	Kol Dam	800	Himachal Pradesh	National Thermal Power Corporation Limited	11-07-2023 to 12-07-2023	2.5
2	Nathpa Jhakri	1500	Himachal Pradesh	Satluj Jal Vidyut Nigam	09-07-2023 to 13-07-2023	26.07
3	Rampur	412	Himachal Pradesh			12.82
4	Dehar	990	Himachal Pradesh	Bhakra Beas Management Board	09-07-2023 to 14-07-2023	Loss of generation is 563.81 LUs. In terms of revenue BBMB supplies energy to Partner States against their share quota. No tariff is being charged by BBMB.
5	Chamera-III	231	Himachal Pradesh	National Hydroelectric Power Corporation	08-07-2023 to 16-07-2023	10.63
6	Chamera-II	300	Himachal Pradesh		08-07-2023 to 27.07.2023	18.75
7	Parbati-III	520	Himachal Pradesh		08-07-2023 to 27.07.2023	35.45
8	Bairasiul	180	Himachal Pradesh		08-07-2023 to 17-07-2023	5.46
SUB-TOTAL (CENTRAL)						111.68

STATE SECTOR						
9	SVP Bhaba Power House	120	Himachal Pradesh	Himachal Pradesh State Electricity Board Ltd	08-07-2023 to 18-07-2023	1.90
10	Larji	126			08-07-2023 to till date	6.19
11	Bassi	66			08-07-2023 to 11-07-2023	0.26
12	Giri	60			08-07-2023 to 14-07-2023	0.78
13	Chibro	240	Uttarakhand	Uttarakhand Jal Vidyut Nigam Ltd	09-07-2023 to 21-07-2023	Safe shut down of power station intermittently has been done.
14	Khodri	120				
15	Dhakrani	33.75				
16	Dhaulipur	51				
17	Kulhal	30				
18	Tiloth	90				
19	Dharasu	304				
20	Chilla	144				
21	Vyasi	120				
22	Baglihar-I	450	Jammu & Kashmir	Jammu & Kashmir State Power Development Corporation Limited	09-07-2023 to 12-07-2023	3.27
23	Baglihar-II	450			09-07-2023 to 10-07-2023	3.21
SUB-TOTAL (STATE)						15.61
TOTAL REVENUE LOSS						127.29* Cr

****Excluding the revenue loss of Uttarakhand Jal Vidyut Nigam Ltd (UJVNL) and Bhakra Beas Management Board (BBMB).***

ANNEXURE-II

**ANNEXURE REFERRED TO IN PARTS (a) TO (c) OF THE STATEMENT LAID IN
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Private Sector Projects which were shut down due to heavy rains and high silt						
Sl. No.	Project Name	Installed Capacity (MW)	State	Utility Name	Duration of Shut down	Total Revenue loss (Rs. in Crores)*
1	Chanju-I	36	Himachal Pradesh	IA Energy Private Ltd	09-07-2023 to 12-07-2023	1.48
2	Karcham Wangtoo Hydro-electric Plant	1045		JSW Energy	09-07-2023 to 13-07-2023	10.89
3	Baspa-II	300				4.63
4	Allain Duhangan	192		Allain Duhangan Hydro Pvt Ltd	09-07-2023 to 16-07-2023	19.78
5	Srinagar HEP	330	Uttarakh and	Alaknanda Hydro Power Company Limited	16-07-2023 to 17-07-2023	Total Generation Loss - 5440.87 MWHr
6	Bajoli Holi	180	Himachal Pradesh	GMR	09-07-2023 to 13-07-2023	Not Furnished
Total Revenue Loss						*36.78Cr

Revenue loss to the private utility

*** Excluding the revenue loss by Alaknanda Hydro Power Company Limited and GMR.**
