GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.2227
TO BE ANSWERED ON 01.01.2019

PERFORMANCE OF HYDRO POWER PROJECT

†2227. DR. ASHOK BAJPAI:

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

(a) the details of hydro power projects of central sector established in the country during the last three years;

(b) project-wise details of estimated power generation capacity and power actually being generated from these projects;

(c) whether any study has been conducted to establish more hydro power projects in the country; and

(d) if so, the details thereof and places selected for this purpose?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : The Five (5) [Central Sector] Hydro Power Projects (above 25 MW) of Central Sector aggregating to 1460 MW have been established in the Country during the last 3 years and the current year. The Project wise details along with the estimated power generation capacity and power actually being generated during last three years and the current year till Nov., 2018, are as under:

Sl. No.	Hydro Power Station (Capacity in MW)	Design Energy (in MU)	Actual Generation (in MU)			
			2015-16	2016-17	2017-18	2018-19*
1	Kol Dam (800 MW)	3054.79	2308.60	3225.16	3313.62	2643.96

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Sl. No.	Hydro Power Station (Capacity in MW)	Design Energy (in MU)	Actual Generation (in MU)			
			2015-16	2016-17	2017-18	2018-19*
2	Kishanganga (330 MW)	1705.62	-	-	1.68	407.13
3	Teesta Low Dam IV (160 MW)	719.67	18.76	602.53	495.15	626.53
4	Tuirial (60 MW)	250.63	-	-	78.37	137.32
5	Pare (110 MW)	506.42	-	-	-	316.55

*****- Tentative Generation in Million Units (MU) upto November 2018.

(c) & (d) : As per reassessment studies of hydroelectric potential carried out by the Central Electricity Authority during 1978-87, the hydropower potential in terms of Installed Capacity (I.C.) is estimated at 148701 MW, out of which 145320 MW of the potential consists of hydroelectric schemes having I.C. above 25 (MW). The details of Hydroelectric Potential & Development Status are given at **Annexure**.

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ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 2227 TO BE ANSWERED IN THE RAJYA SABHA ON 01.01.2019.

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STATUS OF HYDRO ELECTRIC POTENTIAL DEVELOPMENT
(In terms of Installed capacity - Above 25 MW)

Region/ State	Identified Capacity as per reassessment study		Capacity in Operation	Capacity Under Construction
	Total	Above 25 MW		
	(MW)	(MW)	(MW)	(MW)
NORTHERN				
Jammu & Kashmir	14146	13543	3449.0	1935.5
Himachal Pradesh	18820	18540	9809.0	1885.0
Punjab	971	971	1096.3	206.0
Haryana#	64	64	0.0	0.0
Rajasthan##	496	483	411.0	0.0
Uttarakhand	18175	17998	3756.4	1490.0
Uttar Pradesh*	723	664	501.6	0.0
Sub Total (NR)	53395	52263	19023.3	5516.5
WESTERN				
Madhya Pradesh.	2243	1970	2235.0	400.0
Chhattisgarh	2242	2202	120.0	0.0
Gujarat###	619	590	550.0	0.0
Maharashtra	3769	3314	2647.0	0.0
Goa	55	55	0.0	0.0
Sub Total (WR)	8928	8131	5552.0	400.0
SOUTHERN				
Andhra Pradesh	2366	2341	1610.0	960.0
Telangana	2058	2019	800.0	0.0
Karnataka	6602	6459	3644.2	0.0
Kerala	3514	3378	1856.5	100.0
Tamil Nadu	1918	1693	1778.2	0.0
Sub Total (SR)	16458	15890	9688.9	1060.0
EASTERN				
Jharkhand	753	582	170.0	0.0
Bihar####	70	40	0.0	0.0
Odisha	2999	2981	2142.3	0.0
West Bengal	2841	2829	441.2	120.0
Sikkim	4286	4248	2169.0	1133.0
Sub Total (ER)	10949	10680	4922.5	1253.0
NORTH EASTERN				
Meghalaya	2394	2298	322.0	0.0
Tripura	15	0	0.0	0.0
Manipur	1784	1761	105.0	0.0
Assam	680	650	350.0	0.0

.....2.

Nagaland	1574	1452	75.0	0.0
Arunachal Pradesh	50328	50064	515.0	2744.0
Mizoram	2196	2131	60.0	0.0
Sub Total (NER)	58971	58356	1427.0	2744.0
ALL INDIA	**148701**	**145320**	**40613.6**	**10973.5**

Note:-

1. Does not include pumped storage schemes

2. In some states the total of the capacity developed and balance capacity is different from the potential assessed. This is due to change in capacity of the schemes, addition/ deletion of the schemes and merger of two schemes into one etc.

   *****Eastern Yamuna Canal project (35 MW) has been developed in 2 stages each having Installed Capacity below 25 MW

   #Western Yamuna Canal project (64 MW) has been developed in 4 stages each having Installed Capacity below 25 MW

   ## Two schemes namely Mahi Bajaj Sagar I & II were identified for I.C. of 97 MW has been developed with I.C of 140 MW. Gandhi Sagar (115 MW) scheme was identified in Rajasthan but has been developed in Madhya Pradesh with same capacity.

   ###Two schemes namely Ukai Dam and Sardar Sarovar were identified for an I.C. of 590 MW. However as per actual, the I.C. is 550 MW.

   ####Identified project namely East Gandak Canal has been developed with installed capacity below 25 MW.

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