

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
STARRED QUESTION NO.76  
TO BE ANSWERED ON 20.07.2017**

**HYDRO-ELECTRICITY GENERATION CAPACITY**

**†\*76. DR. RAMESH POKHRIYAL "NISHANK":**

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

- (a) the existing hydro electricity generation capacity across the country;**
- (b) whether various agencies have been roped in by the Government to survey/assess the capacity to generate hydro electric power in the country and if so, the details thereof;**
- (c) the current quantum of hydro electricity being generated in various States of the country;**
- (d) the number of hydel power projects stuck due to various reasons and the expenditure incurred thereon so far; and**
- (e) whether any assessment of loss due to delay in these projects has been made by the Government and if so, the details thereof, State-wise?**

**A N S W E R**

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,  
COAL, NEW & RENEWABLE ENERGY AND MINES**

**( SHRI PIYUSH GOYAL )**

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

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## **STATEMENT**

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO.76 TO BE ANSWERED IN THE LOK SABHA ON 20.07.2017 REGARDING HYDRO-ELECTRICITY GENERATION CAPACITY.**

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**(a) : As on 30.06.2017, the existing total installed Hydel electricity generation capacity of the country is 44614.42 MW.**

**(b) : Based on the reassessment studies completed by Central Electricity Authority (CEA) in the year 1987, the identified hydro generation capacity in the country was estimated as about 84000 MW at 60% load factor with probable installed capacity of 148701 MW (145320 MW from H.E. schemes above 25 MW capacity). In February, 2017, M/s WAPCOS Limited has been entrusted the task of basin-wise review of hydro generation capacity in the country by CEA.**

**(c) : During 2017-18 (up to 30.6.2017), 36243.56 Million Units hydro power has been generated from projects of 25 MW and above in various States of the country.**

**(d) : At present, there are 41 HE projects (above 25 MW), totalling to 11792.50 MW under construction in the country. Out of the above, 14 HE projects, totalling to 5055 MW, are stalled due to various constraints like land acquisition, inter-state issues, financial constraints, law and order / local issues, contractual issues, inadequate infrastructure facilities, environment and forests issues, natural calamities, etc. An expenditure of Rs.20770 crores has been made on the above stalled projects.**

**(e) : As per calculation made by CEA, the annual loss of energy generation from these stalled projects is about 19180.99 Million Units. The cost overrun calculated by CEA due to these stalled projects is Rs.25593.78 crore. Details of cost overrun is given at Annex.**

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**ANNEX REFERRED TO IN PART (e) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 76 TO BE ANSWERED IN THE LOK SABHA ON 20.07.2017 REGARDING HYDRO-ELECTRICITY GENERATION CAPACITY.**

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**STATE-WISE DETAILS OF STALLED HYDRO ELECTRIC PROJECTS  
(ABOVE 25 MW) HAVING COST OVERRUN**

**As on 30.06.2017**

Sl. No	Project Name/(I.C.)/ Executing Agency	Name of the State	Org. Cost (Rs. in Crores)	Anticipated Cost (Rs. in Crores)	Cost over run (Rs. in Crores)
	<b>CENTRAL SECTOR</b>				
1	Lata Tapovan (3x57 = 171 MW) NTPC	Uttarakhand	1527.00 (12/06)	1801.07 (12/13)	274.07
2	Subansiri Lower (8x250 = 2000 MW), NHPC	Arunachal Pradesh	6285.33 (12/02)	17435.15 (02/16)	11149.82
	<b>STATE SECTOR</b>				
3	Shahpurkandi (3x33+3x33+1x8=206 MW) Irrigation Deptt. &PSPCL	Punjab	2285.81 (04/08)	2285.81 (04/08)	-
4	Thottiyar (1x30+1x10)= 40MW KSEB	Kerala	136.79 (2007)	150.02 (2007)	13.23
5	Koyna Left Bank PSS (2x40 = 80 MW) WRD, Maha	Maharashtra	245.02 (1999)	1494.94 (2014)	1249.92
	<b>PRIVATE SECTOR</b>				
6	Maheshwar (10x40 = 400 MW) SMHPCL	Madhya Pradesh	1569.27 (96-97)	6793.00	5223.73
7	Teesta Stage VI (4x125 = 500 MW) Lanco Energy Pvt. Ltd.	Sikkim	3283.08 (2008)	7542.00 (12/16)	4258.92
8	Rangit-IV HE Project (3X40 = 120 MW) JPCL	Sikkim	726.17 (09/07)	1692.60 (06/16)	966.43
9	Panan (4x75= 300 MW) Himagiri Hydro Energy Pvt. Ltd.	Sikkim	1833.05 (2009)	2400.00 (09/16)	566.95
10	Ratle (4x205+1x30) = 850 MW Ratle HEP Pvt. Ltd.	Jammu & Kashmir	5517.02 (03/12)	6257.00 (09/2013)	739.98
11	Tangnu Romai-I (2x22 = 44 MW) TRPGPL	Himachal Pradesh	255.00 (2006)	562.97 (01/17)	307.97
12	Tidong-I (2x50 =100 MW) NSL Tidong	Himachal Pradesh	543.15 (08/05)	1286.27 (01/17)	743.12
13	Sorang (2x50 = 100 MW), HSPPL	Himachal Pradesh	586.00 (2006)	586.00 (Under revision)	-
14	Gongri (2x72= 144 MW) Dirang Energy (P) Ltd	Arunachal Pradesh	1436.27 (05/12)	1535.91 (10/16)	99.64
					<b>25593.78</b>

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