

1	2	3	4	5	6
Lara STPP U2	Thermal	Chhattisgarh	Central	1x800=800	115.315
Gadarwara STPP ST-1 U-2	Thermal	Madhya pradesh	Central	1x800-800	25
Bhusawal TPS U-6	Thermal	Maharashtra	State	1x660=660	660
Kameng HEP U-1,2,3,4	Hydro	Arunachal Pradesh	Central	4x150=600	55
Koyna Left Bank PSS	Hydro	Maharashtra	State	2x40=80	80
Kakrapar atomic power project-PHWRU3	Nuclear	Gujarat	Central	1x700=700	189.335
Shirpur TPPU-2	Thermal	Maharashtra	Private	1x150=150	150
TOTAL					1299.65

Power generation from hydro power plants

1418. SHRI AHAMED HASSAN: Will the Minister of POWER be pleased to state:

- whether it is a fact that hydro power generation in the country has slowed in the last five years;
- if so, the reasons therefor and if not, the details of annual production target and real production in the last five years;
- the details of gross hydro power production and revenue generated for the sale of hydro electricity during the last five years, State-wise; and
- the details of newly established hydro power plants in the last five years?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) No, Sir.

(b) The details of annual production target and real production from hydro power stations (above 25 MW) during the last five years is given as under:-

	Generation (in MU)					
	2019-20 (till Jan*)	2018-19	2017-18	2016-17	2015-16	2014-15
Programme	127164.00	135000.00	146400.00	139000.00	132800.00	129097.00
Actual	143854.89	139300.23	130901.03	127994.90	126620.96	134251.42

* Provisional

(c) The State-wise details of hydro power generation (from the hydro power stations (above 25 MW) during the last five years is given in Statement-I (*See* below). The Central Electricity Authority maintains only the Power Generation from the Hydro Power Plants in the country.

(d) The details of newly established hydro power plants in the country during the last five years (2014-15 to 2018-19) is given in Statement-II.

Statement-I

Details of Hydro Power Generation(in MU) during the last 5 years

State	Monitored Capacity as on 31.01.2019 MW	2019-20 (upto- Jan., 19)	2018-19	2017-18	2016-17	2015-16	2014-15
1	2	3	4	5	6	7	8
Northern Region							
Himachal Pradesh	9809.02	37705.6	35908.55	38783	37049.74	38586.58	33573.52
Jammu and Kashmir*	3449	16109.6	16541.58	14937.56	15377.69	15136.15	14485.02
Punjab	1096.3	4400.92	4335.4	4724.3	3910.58	4647.65	4384.46
Rajasthan	411	471.5	698.4	819.53	965.99	1033.8	863.33
Uttar Pradesh	501.6	839.01	1176.36	1486.69	1175.56	935.08	1247.69
Uttarakhand	3756.35	12940.62	13741.12	13983.61	13281.53	12765.92	11439.22

1	2	3	4	5	6	7	8
Western Region							
Chhattisgarh	120	212.01	243.08	178.07	153.76	323.3	258.18
Gujarat	1990	4587.04	1042.81	1551.92	3943.88	2951.85	3811.58
Madhya Pradesh	2235	5379.73	3396.67	2586.81	7156.66	4491.31	5909.62
Maharashtra	3047	5147.44	5076.86	4861.12	5923.7	5078.88	5678.01
Southern Region							
Andhra Pradesh	1610	2498.35	2272.94	2268.8	1824.42	1904.47	3149.59
Karnataka	3644.2	11246.23	12187.69	7142.62	6772.35	7479.37	13160.29
Kerala	1856.5	4630.48	7320.21	5199.26	4067.49	6363.75	6852.65
Tamil Nadu	2178.2	4175.93	5281.59	2919.6	2397.12	4474.27	5058.95
Telangana	2405.6	4227.92	1744.61	1491.98	1279.99	282.33	3113.81
Eastern Region							
Jharkhand	210	134.98	180.98	332.32	163.64	120.21	162.99
Odisha	2142.25	5806.98	6777.45	6022.99	5113.2	4910.34	6919.49
Sikkim	2169	10434.53	9022.07	8887.99	4330.4	3551.92	3345.29
West Bengal	1341.2	2706.04	2919.81	2278.45	2839.28	2132.87	2287.85
North East Region							
Arunachal Pradesh	515	1644.78	1399.02	1416.74	1249.01	1280.25	1109.48
Assam	350	1281.49	1694.36	1918.58	1681.96	1365.73	1119.75
Manipur	105	325.07	602.61	837.74	741.07	536.64	372.44
Meghalaya	322	960.59	929.53	1140.26	719.6	860.94	775.29
Mizoram	60	162.86	168.44	78.37			
Nagaland	75	169.72	231.47	274.39	258.94	163.14	165.15
Bhutan (IMP)	0	5655.47	4406.62	4778.33	5617.34	5244.21	5007.74
GRAND TOTAL	45399.22	143854.89	139300.23	130901.03	127994.9	126620.96	134251.39

* Including Ladakh

*Statement-II**Hydro Capacity Addition during the year 2014-15*

Sl. No.	Name of Project/Executing Agency Installed Capacity	State	Unit No.	Capacity (MW)	Date of Commissioning
1	2	3	4	5	6
1.	Parabati-III, NHPC (520 MW)	H.P.	4	130	22.05.2014
2.	Rampur, SJVNL (412 MW)	H.P.	4	68.67	12.06.2014
			3	68.67	31.07.2014
			6	68.67	04.12.2014
3.	Kol Dam, NTPC (800 MW)	H.P.	2	200	30.03.2015
			1	200	31.03.2015
TOTAL: (2014-15)				736	

Hydro Capacity Addition During the year 2015 -16

Sl. No.	Name of Project/Executing Agency Installed Capacity	State	Unit No.	Capacity (MW)	Date of Commissioning
1	2	3	4	5	6
1.	Kol Dam, NTPC (800 MW)	H.P.	3	200	10.04.2015
			4	200	12.06.2015
2.	Teesta Low Dam-IV (160 MW)	West Bengal	1	40	14.02.2016
			2	40	15.03.2016
3.	Baglihar St.-II, JKPDC (450 MW)	Jammu and Kashmir	1	150	05.09.2015
			2	150	29.09.2015
			3	150	26.10.2015
4.	Lower Jurala, TSGENCO (240 MW)	Telangana	1	40	14.10.2015
			2	40	30.09.2015
			3	40	04.01.2016

1	2	3	4	5	6
			4	40	05.03.2016
5.	Shrinagar, AHPCL (330 MW)	Uttarakhand	1	82.5	10.04.2015
			3	82.5	20.04.2015
			4	82.5	03.06.2015
			2	82.5	08.06.2015
6.	Jorethang Loop, DANS Pvt. Ltd. (96 MW)	Sikkim	1	48	22.09.2015
			2	48	23.09.2015
TOTAL (2015-16 Upto 31-03-2016)				1516	

Hydro Capacity Addition During the year 2016 - 17

Sl. No.	Name of Project/Executing Agency Installed Capacity	State	Unit No.	Capacity (MW)	Date of Commissioning
1	2	3	4	5	6
1.	Teesta Low Dam-IV (160 MW)	West Bengal	3	40	03.07.2016
			4	40	11.08.2016
2.	Kashang-I, HPPCL (65 MW)	H.P.	1	65	10.10.2016
3.	Lower Jurala, TSGENCO (240 MW)	Telangana	5	40	20.08.2016
			6	40	29.09.2016
4.	Nagarjuna Sagar, APGENCO (50 MW)	Andhra Pradesh	1	25	05.01.2017
			2	25	28.01.2017
5.	Pulichintala, TSGENCO (120 MW)	Telangana	1	30	25.09.2016
6.	Kashang-II and III, HPPCL (130 MW)	H.P.	1	65	02.01.2017
			2	65	22.08.2016

1	2	3	4	5	6
7.	Teesta-HI, Teesta Urja Ltd. (1200 MW)	Sikkim	3	200	14.01.2017"
			1	200	15.01.2017
			5	200	24.01.2017
			2	200	27.01.2017
			6	200	28.01.2017
			4	200	16.02.2017
8.	Chanju-I, I. A. Energy (36 MW)	H.P.	1	12	17.02.2017
			2	12	01.02.2017
SUB TOTAL (2016-17)				1659	

Hydro Capacity Addition during the year 2017-18

Sl. No.	Name of Project/Executing Agency Installed Capacity	State	Unit No.	Capacity (MW)	Date of Commissioning
1	2	3	4	5	6
1.	Tural, NEEPCO (60 MW)	Mizoram	1	30	25.08.2017
			2	30	28.11.2017
2.	Kishanganga, NHPC (330 MW)	Jammu and Kashmir	1	110	13.03.2018
			2	110	21.03.2018
			3	110	30.03.2018
3.	New Umtru, MEPGCL (40 MW)	Meghalaya	1	20	22.04.2017
			2	20	30.06.2017
4.	Sainj, HPPCL(100 MW)	H.P.	1	50	04.09.2017
			2	50	04.09.2017
5.	Pulichintala, TSGENCO (120 MW)	Telangana	2	30	26.10.2017
			3	30	01.11.2017

1	2	3	4	5	6
6.	Dikchu, Sneha Kinetic (96 MW)	Sikkim	1	48	11.04.2017
			2	48	12.04.2017
7.	Chanju-I, IA Energy (36 MW)	H.P.	3	12	26.07.2017
8.	Tashiding, Shiga Energy (97 MW)	Sikkim	1	48.5	06.11.2017
			2	48.5	06.11.2017
SUB TOTAL (2017-18)				795	

Hydro Capacity Addition during the year 2018-19

Sl. No.	Name of Project/Executing Agency Installed Capacity	State	Unit No.	Capacity (MW)	Date of Commissioning
1	2	3	4	5	6
1.	Pare, NEEPCO (110 MW)	Arunachal Pradesh	1	55	28.05.2018
			2	55	21.05.2018
2.	Pulichintala, TSGENCO	Telangana	4	30	08.09.2018
TOTAL (2018-19)				140	
GRAND TOTAL				4846	

External debts of State owned DISCOMS

1419. SHRI S. MUTHUKARUPPAN: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the external debt of State owned electricity distribution companies is set to increase pre Ujjwal Discom Assurance Yojana levels of ₹2.6 lakh crore by the end of this fiscal;

(b) whether it is also a fact that the DISCOMs have to become commercially viable as the continued financial support to them may be difficult;

(c) whether the tariff hikes and a reduction in AT&C losses is the way forward for States DISCOMs; and