

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1099
TO BE ANSWERED ON 27.06.2019**

DEMAND AND SUPPLY OF POWER IN TAMIL NADU

1099. SHRI H.VASANTHAKUMAR:

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

- (a) the details of total demand and supply of power along with power generated from various sources in the country during each of the last three years and the current year, State/UT-wise;**
- (b) whether there exists a sizeable mismatch between demand and supply of power, both during peak and non-peak hours, resulting in shortage of power in most of the States/UTs in the country particularly in Tamil Nadu;**
- (c) if so, the details thereof, State/UT-wise along with the reasons therefor;**
- (d) the steps being taken or proposed to be taken by the Union Government to bridge the gap between the demand and supply of power in each State/UT of the country; and**
- (e) the details of major projects being established in each State of the country particularly in Tamil Nadu and the estimated cost thereof, location-wise?**

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) : As reported by States to Central Electricity Authority (CEA),the details of State/ UT-wise energy requirement and energy supplied in the country during the last three years and the current year, 2019-20 (up to May, 2019) are given at Annexure-I.

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The details of electricity generation from conventional sources (Thermal, Hydro & Nuclear), source wise & state-wise, in the country during the last three years & current year 2019-20 (up to May 2019) are given at as Annexure-II.

(b) to (d) : As reported by States to CEA, during April-May, 2019 the peak and energy shortages was only 0.5% and 0.4% respectively in the country. The state-wise details of peak demand and peak met in the country including Tamil Nadu during the year 2018-19 and the current year 2019-20 (up to May, 2019) are at Annexure-III.

As on 31.05.2019, the installed generation capacity is about 357 Giga Watt (GW) which is sufficient to meet the power demand of the country. Further, States can purchase electricity from power exchanges to meet any shortfall on day to day basis.

(e) : The state wise details of major power projects being established in the country including the state of Tamil Nadu and estimated cost is given at Annexure-IV.

**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1099
TO BE ANSWERED IN THE LOK SABHA ON 27.06.2019.**

State-wise Power Supply Position of the Country - Energy

(Figures in MU net)

State/ System / Region	April, 2018 - March, 2019				April, 2017 - March, 2018				April, 2016 - March, 2017			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)
Chandigarh	1,571	1,571	0	0.0	1,610	1,601	9	0.5	1,645	1,645	0	0.0
Delhi	32,299	32,282	17	0.1	31,826	31,806	19	0.1	30,829	30,797	32	0.1
Haryana	53,665	53,665	0	0.0	50,775	50,775	0	0.0	48,895	48,895	0	0.0
Himachal Pradesh	9,850	9,618	232	2.4	9,399	9,346	53	0.6	8,831	8,779	52	0.6
Jammu & Kashmir	18,988	15,616	3,372	17.8	18,808	15,050	3,759	20.0	17,398	14,194	3,204	18.4
Punjab	55,328	55,315	13	0.0	54,812	54,812	0	0.0	53,098	53,098	0	0.0
Rajasthan	79,815	79,626	189	0.2	71,194	70,603	591	0.8	67,838	67,415	423	0.6
Uttar Pradesh	117,133	116,149	984	0.8	120,052	118,303	1,749	1.5	107,569	105,701	1,868	1.7
Uttarakhand	13,845	13,753	92	0.7	13,457	13,426	31	0.2	13,069	12,986	83	0.6
Northern Region	382,493	377,595	4,898	1.3	371,934	365,723	6,211	1.7	349,172	343,513	5,659	1.6
Chhattisgarh	26,471	26,417	54	0.2	25,916	25,832	84	0.3	23,750	23,697	53	0.2
Gujarat	116,372	116,356	15	0.0	109,984	109,973	12	0.0	103,706	103,705	1	0.0
Madhya Pradesh	76,056	76,054	2	0.0	69,925	69,925	0	0.0	65,759	65,758	1	0.0
Maharashtra	158,295	158,157	137	0.1	149,761	149,531	230	0.2	139,295	139,228	67	0.0
Daman & Diu	2,558	2,558	0	0.0	2,534	2,534	0	0.0	2,398	2,398	0	0.0
Dadar Nagar Haveli	6,303	6,302	0	0.0	6,168	6,168	0	0.0	6,021	6,021	0	0.0
Goa	4,295	4,292	3	0.1	4,117	4,117	0	0.0	4,319	4,317	2	0.0
Western Region	390,349	390,136	212	0.1	368,405	368,080	326	0.1	345,247	345,127	120	0.0
Andhra Pradesh	63,861	63,804	58	0.1	58,384	58,288	96	0.2	54,300	54,257	43	0.1
Telangana	66,489	66,427	62	0.1	60,319	60,235	83	0.1	53,030	53,018	12	0.0
Karnataka	71,764	71,695	69	0.1	67,869	67,701	168	0.2	66,899	66,537	362	0.5
Kerala	25,016	24,898	118	0.5	25,002	24,917	85	0.3	24,296	24,261	35	0.1
Tamil Nadu	109,482	109,380	102	0.1	106,006	105,839	166	0.2	104,511	104,487	24	0.0
Puducherry	2,766	2,756	10	0.3	2,668	2,661	7	0.3	2,548	2,545	3	0.1
Lakshadweep	46	46	0	0.0	47	47	0	0.0	48	48	0	0.0
Southern Region	339,377	338,960	417	0.1	320,248	319,642	606	0.2	305,588	305,106	482	0.2
Bihar	30,061	29,825	236	0.8	27,019	26,603	417	1.5	25,711	25,130	581	2.3
DVC	22,745	22,372	372	1.6	21,549	21,373	176	0.8	18,929	18,791	138	0.7
Jharkhand	8,737	8,490	247	2.8	7,907	7,753	154	1.9	7,960	7,906	54	0.7
Odisha	32,145	32,115	30	0.1	28,802	28,706	96	0.3	26,758	26,756	2	0.0
West Bengal	51,471	51,287	184	0.4	50,760	50,569	191	0.4	47,948	47,807	141	0.3
Sikkim	527	527	0	0.1	485	484	0	0.1	475	475	0	0.0
Andaman-Nicobar	346	323	23	6.7	328	299	29	8.9	240	180	60	25
Eastern Region	145,686	144,616	1,070	0.7	136,522	135,489	1,034	0.8	127,783	126,867	916	0.7
Arunachal Pradesh	869	859	9	1.1	799	788	10	1.3	729	714	15	2.1
Assam	9,566	9,238	328	3.4	9,094	8,779	315	3.5	9,020	8,694	326	3.6
Manipur	905	895	10	1.2	874	827	46	5.3	764	740	24	3.1
Meghalaya	1,957	1,956	2	0.1	1,557	1,553	3	0.2	1,715	1,715	0	0.0
Mizoram	643	635	8	1.2	497	488	9	1.7	514	501	13	2.5
Nagaland	888	795	93	10.5	794	774	20	2.5	757	745	12	1.6
Tripura	1,863	1,841	22	1.2	2,602	2,553	49	1.9	1,644	1,621	23	1.4
North-Eastern Region	16,691	16,219	472	2.8	16,216	15,763	453	2.8	15,140	14,720	420	2.8
All India	1,274,595	1,267,526	7,070	0.6	1,213,326	1,204,697	8,629	0.7	1,142,928	1,135,332	7,596	0.7

State-wise Power Supply Position of the Country during the period April, 2019 - May*, 2019 - Energy				
State / System / Region	April, 2019 - May,2019			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
Chandigarh	271	271	0	0.0
Delhi	6,065	6,064	1	0.0
Haryana	8,679	8,679	0	0.0
Himachal Pradesh	1,654	1,644	10	0.6
Jammu & Kashmir	3,364	2,720	644	19.1
Punjab	8,475	8,475	0	0.0
Rajasthan	13,313	13,300	13	0.1
Uttar Pradesh	22,897	22,817	79	0.3
Uttarakhand	2,449	2,449	0	0.0
Northern Region	67,166	66,419	747	1.1
Chhattisgarh	5,765	5,764	1	0.0
Gujarat	21,748	21,748	0	0.0
Madhya Pradesh	12,735	12,735	0	0.0
Maharashtra	29,295	29,294	0	0.0
Daman & Diu	443	443	0	0.0
Dadar Nagar Haveli	1,106	1,106	0	0.0
Goa	801	801	0	0.0
Western Region	71,893	71,892	1	0.0
Andhra Pradesh	11,709	11,702	7	0.1
Telangana	10,772	10,771	1	0.0
Karnataka	13,569	13,568	1	0.0
Kerala	4,888	4,878	10	0.2
Tamil Nadu	20,031	20,030	1	0.0
Puducherry	517	516	1	0.1
Lakshadweep	8	8	0	0.0
Southern Region	61,486	61,465	21	0.0
Bihar	5,662	5,659	3	0.1
DVC	3,757	3,755	2	0.1
Jharkhand	1,505	1,495	10	0.7
Odisha	5,261	5,261	0	0.0
West Bengal	9,920	9,897	23	0.2
Sikkim	78	78	0	0.0
Andaman- Nicobar	58	54	4	6.7
Eastern Region	26,182	26,144	38	0.1
Arunachal Pradesh	127	126	1	0.6
Assam	1,573	1,434	139	8.8
Manipur	135	134	2	1.2
Meghalaya	336	318	18	5.5
Mizoram	100	99	1	0.8
Nagaland	124	123	1	0.8
Tripura	292	288	4	1.3
North-Eastern Region	2,686	2,521	165	6.2
All India	229,413	228,441	972	0.4

**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1099
TO BE ANSWERED IN THE LOK SABHA ON 27.06.2019.**

State/UT	Fuel	Generation (in MUs)			
		2019-20 (upto-May 19)*	2018-19	2017-18	2016-17
ANDAMAN NICOBAR	DIESEL	19.89	120.73	258.79	215.56
	HYDRO				
ANDAMAN NICOBAR Total		19.89	120.73	258.79	215.56
ANDHRA PRADESH	COAL	10872.06	56120.17	57202.51	58334.04
	DIESEL	0.00	0.00	0.00	0.00
	NATURAL GAS	458.11	4750.71	3490.26	5921.60
	HYDRO	143.29	1178.88	1159.03	992.52
ANDHRA PRADESH Total		11473.46	62049.76	61851.80	65248.16
ARUNACHAL PRADESH	HYDRO	235.78	1399.02	1416.74	1249.01
ARUNACHAL PRADESH Total		235.78	1399.02	1416.74	1249.01
ASSAM	COAL	708.16	2824.21	1732.17	1680.27
	MULTI FUEL	0.00	0.00	0.00	0.00
	NATURAL GAS	474.88	2706.41	2582.14	2816.24
	HYDRO	189.29	1490.54	1657.81	1484.86
ASSAM Total		1372.33	7021.16	5972.12	5981.37
BBMB	HYDRO	#	#	5134.02	5168.27
BBMB Total		#	#	5134.02	5168.27
Bhutan (IMP)	HYDRO	592.70	4406.62	4778.33	5617.34
Bhutan (IMP) Total		592.70	4406.62	4778.33	5617.34
BIHAR	COAL	5700.46	32170.52	28440.03	24514.85
	HYDRO				
BIHAR Total		5700.46	32170.52	28440.03	24514.85
CHHATTISGARH	COAL	20512.43	115471.25	109863.69	105532.42
	HYDRO	40.85	243.08	178.07	153.76
CHHATTISGARH Total		20553.28	115714.33	110041.76	105686.18
DELHI	COAL	0.00	1400.33	1556.97	1704.85
	NATURAL GAS	938.15	5735.71	5491.73	4548.41
DELHI Total		938.15	7136.04	7048.70	6253.26
DVC	COAL	7243.99	36676.10	35694.21	33310.93
	NAPHTHA	0.00	0.00	0.00	0.00
	HYDRO	6.08	181.15	256.35	255.54
DVC Total		7250.07	36857.25	35950.56	33566.47
GOA	NAPHTHA	0.00	0.00	0.00	0.00
GOA Total		0.00	0.00	0.00	0.00
GUJARAT	COAL	15543.80	75247.34	74637.18	79277.30
	LIGNITE	922.23	6504.54	6406.77	6110.51
	MULTI FUEL	0.00	0.00	0.00	0.00
	NATURAL GAS	2505.67	12796.73	13924.00	10416.92
	NUCLEAR	345.48	999.93	0.00	0.00
	HYDRO	107.33	1042.81	1551.92	3943.88
GUJARAT Total		19424.51	96591.35	96519.87	99748.61
HARYANA	COAL	2881.13	24838.34	25768.59	17856.39
	NATURAL GAS	0.00	597.09	837.38	1034.05
	HYDRO				
HARYANA Total		2881.13	25435.43	26605.97	18890.44
HIMACHAL PRADESH	HYDRO	5325.15	26931.50	28921.17	27326.86
HIMACHAL PRADESH Total		5325.15	26931.50	28921.17	27326.86
JAMMU AND KASHMIR	HIGH SPEED DIESEL	0.00	0.00	0.00	0.00
	HYDRO	3860.98	16541.58	14937.56	15377.69
JAMMU AND KASHMIR Total		3860.98	16541.58	14937.56	15377.69
JHARKHAND	COAL	2390.18	13352.12	13806.95	14697.30
	HYDRO	0.66	101.19	190.38	30.13
JHARKHAND Total		2390.84	13453.31	13997.33	14727.43
KARNATAKA	COAL	5673.74	30352.74	29992.78	30460.83
	DIESEL	0.00	0.00	0.00	0.00
	NATURAL GAS	0.00	0.00		
	NUCLEAR	1277.06	7216.53	7533.41	6533.49
	HYDRO	2065.63	12187.69	7142.62	6772.35
KARNATAKA Total		9016.43	49756.96	44668.81	43766.67
KERALA	DIESEL	12.13	4.07	1.92	47.72
	NAPHTHA	0.00	0.81	46.84	15.40
	HYDRO	1301.35	7320.21	5199.26	4067.49
KERALA Total		1313.48	7325.09	5248.02	4130.61
MADHYA PRADESH	COAL	21248.59	118281.10	108586.66	91083.18
	HYDRO	533.91	3396.67	2586.81	7156.66
MADHYA PRADESH Total		21782.50	121677.77	111173.47	98239.84
MAHARASHTRA	COAL	20693.94	112729.36	103664.54	92187.09
	NATURAL GAS	1388.45	8451.14	9066.39	9480.86
	NUCLEAR	2013.52	10766.42	6876.25	10860.20
	HYDRO	1777.87	5076.86	4861.12	5923.70

MAHARASHTRA Total		25873.78	137023.78	124468.30	118451.85
MANIPUR	DIESEL	0.00	0.00	0.00	0.00
	HYDRO	70.89	602.61	837.74	741.07
MANIPUR Total		70.89	602.61	837.74	741.07
MEGHALAYA	HYDRO	146.65	1133.35	1401.03	916.70
MEGHALAYA Total		146.65	1133.35	1401.03	916.70
MIZORAM	DIESEL				
	HYDRO	7.89	168.44	78.37	-
MIZORAM Total		7.89	168.44	78.37	-
NAGALAND	COAL				
	HYDRO	5.54	231.47	274.39	258.94
NAGALAND Total		5.54	231.47	274.39	258.94
ORISSA	COAL	7125.04	40046.92	40489.84	50727.98
	HYDRO	1111.62	6777.45	6022.99	5113.20
ORISSA Total		8236.66	46824.37	46512.83	55841.18
PUDUCHERRY	NATURAL GAS	42.61	229.88	226.45	246.84
PUDUCHERRY Total		42.61	229.88	226.45	246.84
PUNJAB	COAL	3706.30	26364.26	24728.05	22955.84
	HYDRO	2699.25	13312.45	9452.11	8465.19
PUNJAB Total		6405.55	39676.71	34180.16	31421.03
RAJASTHAN	COAL	6422.05	38618.72	31566.18	33022.10
	LIGNITE	1178.12	8057.20	8504.76	8085.74
	NATURAL GAS	320.05	1569.66	2147.34	2245.74
	NUCLEAR	1326.29	8034.28	8605.80	7472.60
	HYDRO	6.73	698.40	819.53	965.99
RAJASTHAN Total		9253.24	56978.26	51643.61	51792.17
SIKKIM	DIESEL				
	HYDRO	1978.11	9022.07	8887.99	4330.40
SIKKIM Total		1978.11	9022.07	8887.99	4330.40
TAMIL NADU	COAL	8308.52	47937.57	45079.64	49220.63
	DIESEL	0.00	0.00	0.00	12.01
	LIGNITE	3479.67	20021.76	19924.61	20528.87
	NATURAL GAS	476.55	2904.00	2762.05	2741.38
	NAPHTHA	0.00	0.05	6.12	10.98
	NUCLEAR	1363.35	7633.54	11694.28	9670.69
	HYDRO	354.12	5281.59	2919.60	2397.12
TAMIL NADU Total		13982.21	83778.51	82386.30	84581.68
TELANGANA	COAL	9207.08	48218.42	47312.22	41279.34
	HYDRO	212.89	2838.67	2601.75	2111.89
TELANGANA Total		9419.97	51057.09	49913.97	43391.23
TRIPURA	NATURAL GAS	1202.32	6630.85	5999.27	5873.89
	HYDRO				
TRIPURA Total		1202.32	6630.85	5999.27	5873.89
UTTAR PRADESH	COAL	21591.28	116227.68	121414.43	112815.03
	NATURAL GAS	456.04	2206.47	2004.78	2772.63
	NUCLEAR	616.25	3161.89	3636.38	3378.89
	HYDRO	109.48	1176.36	1486.69	1175.56
UTTAR PRADESH Total		22773.05	122772.40	128542.28	120142.11
UTTARAKHAND	NATURAL GAS	399.05	1254.24	1622.99	969.01
	HYDRO	2432.18	13741.12	13983.61	13281.53
UTTARAKHAND Total		2831.23	14995.36	15606.60	14250.54
WEST BENGAL	COAL	9221.15	50804.68	50217.87	49475.44
	HIGH SPEED DIESEL	0.00	0.00	0.00	0.00
	HYDRO	428.28	2818.45	2164.04	2717.25
WEST BENGAL Total		9649.43	53623.13	52381.91	52192.69
Grand Total		226010.27	1249336.70	1206306.25	1160140.94

*** PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT**

1. Gross Generation from conventional sources (Thermal, Hydro and Nuclear) stations of 25 MW and above only.
2. Generation from stations up to 25 MW are not being monitored since 01.04.10
3. Figures given above indicate gross generation of all power stations(Central, State& Private Sector) located geographically in the respective State/UT.
4. # From 2018-19 onwards BBMB generation /capacity has been included in hydro generation/capacity of respective states of the stations.

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PARTS (b) TO (d) OF UNSTARRED QUESTION NO. 1099 TO BE ANSWERED IN THE LOK SABHA ON 27.06.2019.

State-wise Power Supply Position of the country - Peak

(Figures in MW)

State/ System / Region	April, 2018 - March, 2019				April, 2019 - May, 2019 (Provisional)			
	Peak demand	Peak Met	Demand not Met		Peak Demand	Peak Met	Demand not Met	
	(MW)	(MW)	(MW)	(%)	(MW)	(MW)	(MW)	(%)
Chandigarh	369	369	0	0.0	356	356	0	0.0
Delhi	7,016	7,016	0	0.0	6,461	6,461	0	0.0
Haryana	10,270	10,270	0	0.0	8,874	8,874	0	0.0
Himachal Pradesh	1,700	1,700	0	0.0	1,480	1,480	0	0.0
Jammu & Kashmir	3,080	2,464	616	20.0	2,885	2,426	459	15.9
Punjab	12,638	12,638	0	0.0	8,802	8,802	0	0.0
Rajasthan	13,276	13,276	0	0.0	11,791	11,791	0	0.0
Uttar Pradesh	20,498	20,062	436	2.1	22,487	22,057	430	1.9
Uttarakhand	2,216	2,216	0	0.0	2,155	2,155	0	0.0
Northern Region	63,166	61,726	1,440	2.3	60,987	60,078	909	1.5
Chhattisgarh	4,444	4,270	174	3.9	4,596	4,574	22	0.5
Gujarat	17,053	16,963	90	0.5	18,094	18,094	0	0.0
Madhya Pradesh	13,815	13,815	0	0.0	10,145	10,131	14	0.1
Maharashtra	23,864	23,254	610	2.6	23,621	23,613	8	0.0
Daman & Diu	357	356	1	0.2	344	344	0	0.1
Dadar Nagar Haveli	816	815	1	0.1	818	818	0	0.0
Goa	596	596	0	0.0	594	594	0	0.0
Western Region	56,675	55,821	853	1.5	57,113	57,093	20	0.0
Andhra Pradesh	9,459	9,453	6	0.1	9,854	9,854	0	0.0
Telangana	10,815	10,815	0	0.0	10,269	10,202	67	0.7
Karnataka	12,877	12,877	0	0.0	12,700	12,688	12	0.1
Kerala	4,245	4,228	17	0.4	4,316	4,300	16	0.4
Tamil Nadu	15,483	15,448	35	0.2	15,680	15,659	21	0.1
Puducherry	440	421	19	4.3	453	444	9	2.0
Lakshadweep	8	8	0	0.0	8	8	0	0.0
Southern Region	49,623	49,534	89	0.2	49,218	49,103	115	0.2
Bihar	5,115	5,084	31	0.6	5,481	5,481	0	0.0
DVC	3,100	3,098	2	0.1	3,048	3,048	0	0.0
Jharkhand	1,339	1,291	48	3.6	1,330	1,330	0	0.0
Odisha	5,357	5,357	0	0.0	5,142	5,140	3	0.1
West Bengal	9,130	9,123	7	0.1	9,335	9,335	0	0.0
Sikkim	106	106	0	0.0	100	100	0	0.0
Andaman- Nicobar	58	54	4	6.9	58	54	4	6.9
Eastern Region	23,141	22,733	408	1.8	23,558	23,558	0	0.0
Arunachal Pradesh	150	148	2	1.2	140	138	2	1.2
Assam	1,865	1,809	56	3.0	1,910	1,673	237	12.4
Manipur	219	216	3	1.2	197	188	9	4.8
Meghalaya	374	372	1	0.4	337	337	0	0.0
Mizoram	121	119	2	1.7	116	113	3	2.8
Nagaland	156	138	18	11.6	157	131	27	16.9
Tripura	298	293	5	1.7	297	295	1	0.5
North-Eastern Region	2,967	2,850	117	3.9	2,848	2,780	68	2.4
All India	177,022	175,528	1,494	0.8	183,513	182,533	981	0.5

Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and supply.

Excludes the supply to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments.

ANNEXURE REFERRED TO IN REPLY TO PARTS (b) TO (d) OF UNSTARRED QUESTION NO. 1099 TO BE ANSWERED IN THE LOK SABHA ON 27.06.2019.

Details of Under Construction Thermal Power Projects in the Country

S.No.	State	District	Project Name	Unit No	Cap. (MW)	Ant. Comm. Sched.	Latest Cost in Crores
CENTRAL SECTOR							
1	Bihar	Patna	Barh STPP-I	U-1	660	Apr-20	15095.67
				U-2	660	Apr-21	
				U-3	660	May-22	
2	Bihar	Aurangabad	Nabi Nagar TPP	U-4	250	Apr-20	7998.00
3	Bihar	Aurangabad	New Nabi Nagar TPP	U-1	660	Sep-19	15131.67
				U-2	660	Apr-20	
				U-3	660	Mar-22	
4	Chhatisgarh	Raigarh,	Lara STPP	U-2	800	Dec-19	11846.00
5	Jharkhand	Chatra	North Karanpura STPP	U-1	660	Oct-20	14367.00
				U-2	660	Oct-21	
				U-3	660	Mar-22	
6	MP	Narsinghpur	Gadarwara STPP	U-2	800	Dec-19	11638.55
7	MP	Khargone	Khargone STPP	U-1	660	Jul-19	9870.51
				U-2	660	Mar-20	
8	Odisha	Sundergarh,	Darlipalli STPP	U-1	800	Sep-19	13740.53
				U-2	800	Jun-20	
9	Rajasthan	Bikaner	Barsingar TPP ext	U-1	250	On Hold	2112.59
10	Rajasthan	Bikaner	Bitnook TPP	U-1	250	On Hold	2196.30
11	Telangana	Karim Nagar	Telangana STPP St- I	U-1	800	Aug-20	10599.00
				U-2	800	Jul-21	
12	TN	Neyveli	Neyveli New TPP	U-1	500	Aug-19	5907.11
				U-2	500	Mar-20	
13	UP	Allahabad,	Meja STPP	U-2	660	Jun-20	10821.00
14	UP	Kanpur	Ghatampur TPP	U-1	660	Feb-22	17237.80
				U-2	660	Aug-23	
				U-3	660	Feb-23	
15	UP	Kanpur	Tanda TPP St II	U-5	660	Sep-19	9188.98
				U-6	660	Apr-20	
16	Jharkand	Ramgarh	Patratu STPP	U-1	800	May-22	Not Available
				U-2	800	Sep-22	
				U-3	800	Dec-22	
17	Odisha	Angul	Rourkela PP-II Expansion	U-1	250	Apr-22	1885.13
TOTAL CENTRAL SECTOR					20420		
STATE SECTOR							
1	A.P	Krishna	Dr.Narla Tata Rao TPS St-V	U-1	800	Feb-20	5515.00
2	A.P	SPSR Nellore	Sri Damodaran Sanjeevaiah TPP St-II	U-1	800	Sep-20	6034.00
3	Assam	Dibrugarh	Namrup CCGT	ST	36.15	Dec-19	693.73
4	Gujarat	Kheda	Wanakbori TPS Extn.	U-8	800	Oct-19	3536.51
5	Karnataka	Bangalore	Yelahanka CCPP	GT+ST	370	Oct-19	1571.18
6	Maharashtra	Jalgaon	Bhusawal TPS	U-6	660	NA	Not Available
				U-7	660	NA	
7	Odisha	Jharsaguda	Ib valley TPP	U-3	660	Jul-19	11965.00
				U-4	660	Sep-19	
8	Rajasthan	Ganganagar	Suratgarh SCTPP	U-7	660	Sep-19	7920.00
				U-8	660	Sep-20	
9	Telangana	Khammam	Bhadradi TPP / TSGENCO/ BHEL	U-1	270	Mar-20	8536.98
				U-2	270	Sep-20	
				U-3	270	Mar-21	
				U-4	270	Sep-22	
10	TN	Thiruvallur	Ennore exp. SCTPP	U-1	660	Jul-21	5421.38
11	TN	Thiruvallur	Ennore SCTPP	U-1	660	Jul-21	9800.00
				U-2	660	Feb-22	
12	TN	Thiruvallur	North Chennai TPP St-III	U-1	800	Jul-20	6376.00
13	TN	Thoothukudi	Udangudi STPP Stage I	U-1	660	Dec-21	13076.71
				U-2	660	Jun-22	
14	TN	Ramnad	Uppur Super Critical TPP	U-1	800	Mar-22	12778.00
				U-2	800	Sep-22	
15	UP	Aligarh	Harduaganj TPS Exp-II	U-1	660	Apr-20	4826.49

16	Telangana	Nalgonda	Yadadri TPS	U-1	800	Sep-20	29965.00
				U-2	800	Sep-20	
				U-3	800	Mar-21	
				U-4	800	Mar-21	
				U-5	800	Sep-21	
17	UP	Etah	Jawaharpur STPP	U-1	660	Mar-21	10556.27
				U-2	660	Jul-21	
18	UP	Kanpur	Panki TPS Extn	U-1	660		
19	UP	Sonebhadra	Obra-C STPP	U-1	660	Apr-21	10416.00
				U-2	660	Dec-20	
Total State Sector					20846.15		
PRIVATE SECTOR							
1	AP	Srikakulam	Bhavanapadu TPP Ph-	U-1	660	Uncertain	9343.15
				U-2	660	Uncertain	
2	AP	SPSR Nellore	Thamminapatnam TPP stage -II / Meenakshi Energy Pvt. Ltd. SG-Cether vessels TG-Chinese	U-3	350	Dec-20	
				U-4	350	Mar-21	
3	Bihar	Banka Bihar	Siriya TPP (Jas Infra. TPP)	U-1	660	Uncertain	11120.00
				U-2	660	Uncertain	
				U-3	660	Uncertain	
				U-4	660	Uncertain	
4	Chhattisgarh	Janjgir-Champa	Akaltara TPP (Naiyara)	U-4	600	Apr-22	27080.00
				U-5	600	Uncertain	
				U-6	600	Uncertain	
5	Chhattisgarh	Raigarh,	Binjkote TPP/	U-3	300	Uncertain	7940.00
				U-4	300	Uncertain	
6	Chhattisgarh	Korba	Lanco Amarkantak TPP-II	U-3	660	Uncertain	10815.24
				U-4	660	Uncertain	
7	Chhattisgarh	Janjgir-Champa	Singhitarai TPP	U-1	600	Uncertain	8443.79
				U-2	600	Uncertain	
8	Chhattisgarh	Korba	Salora TPP	U-2	135	Uncertain	1458.44
9	Chhattisgarh	Raigarh,	Deveri (Visa) TPP	U-1	600	Uncertain	3930.00
10	Jharkhand	Latehar	Matrishri Usha TPP Ph-I / Corporate Power Ltd. EPC-BHEL	U-1	270	Uncertain	2900.00
				U-2	270	Uncertain	
11	Jharkhand	Latehar	Matrishri Usha TPP Ph-II	U-3	270	Uncertain	3182.00
				U-4	270	Uncertain	
12	Jharkhand	Angarha	Tori TPP Ph-I	U-1	600	Uncertain	5700.00
				U-2	600	Uncertain	
13	Jharkhand	Angarha	Tori TPP Ph-II	U-3	600	Uncertain	2500.00
14	Maharashtra	Amravati	Amravati TPP Ph-II	U-1	270	Uncertain	6646.00
				U-2	270	Uncertain	
				U-3	270	Uncertain	
				U-4	270	Uncertain	
				U-5	270	Uncertain	
15	Maharashtra	Wardha	Lanco Vidarbha TPP	U-1	660	Uncertain	10433.00
				U-2	660	Uncertain	
16	Maharashtra	Nasik	Nasik TPP Ph-II	U-1	270	Uncertain	6789.00
				U-2	270	Uncertain	
				U-3	270	Uncertain	
				U-4	270	Uncertain	
				U-5	270	Uncertain	
17	Maharashtra	Yavatmal	Bijora Ghanmukh TPP	U-1	300	Uncertain	3450.00
				U-2	300	Uncertain	
18	Maharashtra	Dhule	Shirpur TPP	U-2	150	Uncertain	2413.00
19	MP	Singrauli	Gorgi TPP	U-1	660	Uncertain	3941.00
20	Odisha	Jharsuguda	Ind Barath TPP (Odisha)	U-2	350	Uncertain	4001.00
21	Odisha	Dhenkanal	KVK Nilanchal TPP	U-1	350	Uncertain	6000.00
				U-2	350	Uncertain	
				U-3	350	Uncertain	
22	Odisha	Dhenkanal	Lanco Babandh TPP	U-1	660	Uncertain	10430.00
				U-2	660	Uncertain	
23	Odisha	Angul	Malibrahmani TPP	U-1	525	Uncertain	6330.00
				U-2	525	Uncertain	
24	TN	Tuticorin	Tuticorin TPP (Ind- Barath)	U-1	660	Uncertain	3595.00
25	TN	Tuticorin	Tuticorin TPP St-IV	U-1	525	Dec-20	3514.00
26	WB	East Medinipur	Hiranmaye Energy Ltd (India Power corporation (Haldia) TPP	U-3	150	Uncertain	3307.00
Total Private Sector					23730		165261.62
Grand Total					64996.15		165261.62

List of Under Construction Hydro Electric Projects in the Country(above 25 MW)								
State wise Details of Rivers & Basin							(As on 31.05.2019)	
Sl. No.	Name of Scheme (Executing Agency)	Sector	District	I.C. (No. x MW)	Cap. Under Execution (MW)	River/Basin	Likely Commissioning	Estimated cost
Andhra Pradesh								
1	Polavaram (APGENCO/ Irrigation Dept., A.P.)	State	East & West Godavari	12x80	960.00	Godavari/EFR	2021-23 (Mar'23)	5338.95 (2017)
Sub-total: Andhra Pradesh					960.00			
Arunachal Pradesh								
2	Kameng (NEEPCO)	Central	West Kameng	4x150	600.00	Bichom & Tenga / Kameng/Brahmaputra	2019-20 (Dec,19)	6179.96 (03/2015)
3	Subansiri Lower (NHPC)	Central	L.Subansiri/ Dhemaji	8x250	2000.00	Subansiri/ Brahmaputra	2023-24 *	18064 (04/15)
Sub-total: Arunachal Pradesh					2600.00			
Himachal Pradesh								
4	Parbati St. II (NHPC)	Central	Kullu	4x200	800.00	Parbati/Beas/Indus	2021-22 (Dec'21)	8398.76 (03/2015)
5	Uhl-III (BVPCL)	State	Mandi	3x33.33	100.00	Uhl/Beas/ Indus	2019-20 (Jan'20)	1281.52 (12/12)
6	Sawra Kuddu (HPPCL)	State	Shimla	3x37	111.00	Pabbar/Tons/ Yamuna/Ganga	2019-20 (Mar'20)	1181.9 (03/12)
7	Shongtong Karcham (HPPCL)	State	Kinnaur	3x150	450.00	Satluj/ Indus	2023-25 (Apr'24)	3316.35
8	Bajoli Holi (GMR)	Private	Chamba	3x60	180.00	Ravi/ Indus	2019-20 (Mar'20)@	2205.00
9	Sorang (HSPCL)	Private	Kinnaur	2x50	100.00	Sorang/Satluj/Indus	2019-20 (Mar'20)@	586.00 (2006)
10	Tangnu Romai (TRPG)	Private	Shimla	2x22	44.00	Pabbar/Tons/Yamuna /Ganga	2021-22 *	641.89 (01/17)
11	Tidong-I (Statkraft IPL)	Private	Kinnaur	100.00	100.00	Tidong/Satluj/Indus	2021-22 (Oct'21)	1286.27 (01/17)
Sub-total: Himachal Pradesh					1885.00			
Jammu & Kashmir								
12	Pakal Dul (CVPPCL)	Central	Kishtwar	4x250	1000.00	Marusadar/ Chenab / Indus	2023-24 (Aug'23)	8112.1 (03/13)
13	Parnai (JKSPDC)	State	Poonch	3x12.5	37.50	Jhelum/ Indus	2021-22 (Mar'22)	640.00
14	Lower Kalnai (JKSPDC)	State	Kishtwar	2x24	48.00	Chenab/ Indus	2022-23 *	576.87
15	# Ratle (RHEPPL)	Private	Kishtwar	4x205 + 1x30	850.00	Chenab/Indus	2023-24 *	6257.00 (09/2013)
Sub-total: Jammu & Kashmir					1935.50			
Kerala								
16	Pallivasal (KSEB)	State	Idukki	2x30	60.00	Mudirapuzha/ Periyar/ Baypore Periyar/ WFR	2021-22 (Dec'21)	550.00
17	Thottiyar (KSEB)	State	Idukki	1x30+1x 10	40.00	Thottiyar/ Periyar/ / Baypore Periyar/ WFR	2020-21 (Dec'20)	280 (2018)
Sub-total: Kerala					100.00			
Madhya Pradesh								
18	## Maheshwar (SMHPCL)	Private	Khargone & Khandwa	10x40	400.00	Narmada/CIRS	2021-22 *	8121.00
Sub-total: Madhya Pradesh					400.00			
Maharashtra								
19	Koyna Left Bank (WRD,MAH)	State	Satara	2x40	80.00	Koyna/ Krishna/EFR	2022-23 *	691.95
Sub-total: Maharashtra					80.00			
Punjab								
20	Shahpurkandi (PSPCL/ Irrigation Dept., Pb.)	State	Gurdaspur	3x33+3x 33+1x8	206.00	Ravi/ Indus	2021-22 (Nov'21)	2715.70
Sub-total: Punjab					206.00			
Sikkim								
21	Teesta St. VI NHPC	Central	South Sikkim	4x125	500.00	Teesta/Brahmaputra	2023-24 *	5748.04
22	Bhasmey (Gati Infrastructure)	Private	East Sikkim	3x17	51.00	Rangpo/ Teesta/ Brahmaputra	2022-23 *	746.01 (03/2018)
23	Rangit-IV (JAL Power)	Private	West Sikkim	3x40	120.00	Rangit/ Teesta/ Brahmaputra	2022-23 *	1692.60(06/ 2016)
24	Rangit-II (Sikkim Hydro)	Private	West Sikkim	2x33	66.00	Greater Rangit/ Teesta/ Brahmaputra	2021-22 *	496.44
25	Rongnichu (Madhya Bharat)	Private	East Sikkim	2x48	96.00	Rongnichu/ Teesta/ Brahmaputra	2020-21 (Sept'20)	1187.00

26	Panan (Himagiri)	Private	North Sikkim	4x75	300.00	Rangyongchu/ Teesta/ Brahmaputra	2023-24 *	2516.00
	Sub-total: Sikkim				1133.00			
	Tamil Nadu							
27	Kundah Pumped Storage	State	Nilgiris	1x125	125.00	Godavari/EFR	2022-23	989.80(2014-15)
	Sub-total: Tamil Nadu				125.00			
	Uttarakhand							
28	Lata Tapovan (NTPC)	Central	Chamoli	3x57	171.00	Dhauliganga /Alaknanda & Ganga	2023-24 *	1801.07 (07/2012)
29	Tapovan Vishnugad (NTPC)	Central	Chamoli	4x130	520.00	Dhauliganga / Alaknanda & /Ganga	2020-21 (Dec'20)	3846.30 (01/2014)
30	Tehri PSS (THDC)	Central	Tehri Garhwal	4x250	1000.00	Bhilangna/Bhagirathi/ Ganga	2021-23 (Jun'22)	4401.90 (01/2017)
31	Vishnugad Pipalkoti (THDC)	Central	Chamoli	4x111	444.00	Alaknanda/Ganga	2022-23 (Dec'22)	3789.61(05/17)
32	Naitwar Mori (SJVNL)	Central	Uttarkashi	2x30	60.00	Tons/Yamuna/Ganga	2021-22 (Dec-21)	648.33(10/2016)
33	Vyasi (UJVNL)	State	Dehradun	2x60	120.00	Yamuna/Ganga	2020-21 (Jun'20)	936.23
34	Phata Byung (LANCO)	Private	Rudraprayag	2x38	76.00	Mandakini/Alaknanda Ganga	2021-22 *	1225.53
35	Singoli Bhatwari (L&T)	Private	Rudraprayag	3x33	99.00	Mandakini/Alaknanda Ganga	2019-20 (Mar'20)@	1694.00
	Sub-total: Uttarakhand				2490.00			
	West Bengal							
36	Rammam-III (NTPC)	Central	Darjeeling	3x40	120.00	Rammam/ Rangit/Teesta Brahmaputra	2021-22 (Feb'22)	1592.34
	Sub-total: West Bengal				120.00			
	Total:				12034.50			
*	Subject to restart of works							
	River Basin wise Summary							
	River Basins in the Country		Capacity (MW)					
	CIRS		400.00					
	Indus		3871.50					
	Brahmaputra		3853.00					
	Ganga		2645.00					
	EFR		1165.00					
	WFR		100.00					
	Grand Total		12034.50					

Govt. of J&K, PDD have terminated PPA on 09.02.2017 and directed JKSPDC to take over the project. MoU between NHPC (51% share) & JKSPDC (49% share) signed on 03.02.2019 for implementation of project in JV mode.

PFC as lead lender have acquired majority equity i.e. 51% in the SMHPCL w.e.f. 1st June, 2016. Matter Sub-judice.

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DETAILS OF LIKELY NUCLEAR GENERATION PROJECTS (2019-22) (as on 31.03.2019)					
Sl. No.	PROJECT NAME	Sector	State	Fuel Type	Capacity
1	Kakrapar Atomic Power Plant	Central	Gujarat	Nuclear	1400
2	Rajasthan Atomic Power Station	Central	Rajasthan	Nuclear	1400
3	PFBR	Central	Tamil Nadu	Nuclear	500
	Total (Nuclear)				3300
