

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.4202  
TO BE ANSWERED ON 19.03.2020**

**ANTICIPATED POWER LOAD**

**†4202. SHRI DULAL CHAND GOSWAMI:**

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

- (a) whether the Government has made any assessment of the anticipated power load during the period of peak demand of power after completion of SAUBHAGYA Yojana and if so, the details thereof, State-wise;
- (b) whether the grid capacity is sufficient to meet the anticipated power load, if so, the details thereof; and
- (c) if not, whether the Government proposes to formulate any scheme to enhance the production and grid capacity accordingly?

**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) : Central Electricity Authority (CEA) conducts Electric Power Survey (EPS) every five years for estimating the electricity demand of the country. The state wise demand as projected by the 19<sup>th</sup> EPS (published in January 2017) for the year 2018-19 to 2026-27 is given at Annexure. The impact of increase in demand due to SAUBHAGYA Yojana has also been considered in this assessment.

(b) & (c) : As per National Electricity Plan (NEP) published in March 2018, likely installed capacity to meet the projected energy demand in 2021-22 is 4,79,418 MW and in 2026-27 is 6,19,066 MW. To enhance generation capacity to meet the growing demand of power in the country, the following measures have been taken by Government of India to increase power production:

(i) Thermal and hydro power plants are at various stages of construction in the country;

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**(ii) Nuclear Power projects of 1700 MW capacity are in an advanced stage of planning; and**

**(iii) The Government has a target of 1,75,000 MW installed capacity from renewable sources, including solar, wind, biomass and small hydro; out of which 86,759 MW have been installed and 33,720 MW are under installation.**

**Requirement of transmission system addition in the country has been estimated for the period 2017-22 as part of National Electricity Plan (Volume II: Transmission). As per National Electricity Plan (Volume II: Transmission), about 110,000 ckm of transmission lines and about 383,000 MVA of transformation capacity in the substations (at 220 kV and above voltage levels) would be required to be added during the period 2017-22. Out of this, during April 2017 to February 2020, 55,782 ckm and 2,21,658 MVA have been added to the electricity grid.**

**With this estimated generation installed capacity & additional transmission system, the electricity demand projected as per 19<sup>th</sup> Electric Power Survey (EPS) is likely to be fully met.**

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4202 TO BE ANSWERED IN THE LOK SABHA ON 19.03.2020.**

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**State-wise demand as projected by the 19<sup>th</sup> EPS (published in January 2017) for the year 2018-19 to 2026-27**

**19TH ELECTRIC POWER SURVEY FORECAST  
ALL INDIA & STATE WISE / UT WISE  
Electrical Energy Requirement (MU) (Ex Bus)  
(Utilities only)**

State/UTs	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Delhi	34201	35380	36573	37778	38997	40224	41557	42904	44267
Haryana	54062	57083	60336	63618	66747	70333	75110	80239	85743
Himachal Pradesh	10523	10949	11394	11866	12360	12876	13417	13983	14576
Jammu & Kashmir	16283	17109	18017	18819	19963	21161	22433	23795	25254
Punjab	61076	64730	68502	72392	76826	81369	86027	90789	95658
Rajasthan	79485	83168	87051	91216	95782	101200	108808	117219	126290
Uttar Pradesh	123951	132476	141426	150797	159412	167731	176477	185674	195323
Uttarakhand	15880	17007	18181	19406	20687	22029	23438	24920	26480
Chandigarh	2070	2145	2223	2304	2388	2475	2566	2659	2756
Northern Region	397530	420047	443704	468196	493162	519399	549833	582182	616345
Goa	4802	5068	5332	5593	5855	6120	6389	6660	6932
Gujarat	113187	120693	128368	136159	144186	152475	160989	169732	178693
Chhattisgarh	31383	33463	35559	37840	40155	42661	45315	48146	51088
Madhya Pradesh	81732	88022	94301	99871	104772	109727	114765	120027	125394
Maharashtra	161926	171313	180338	189983	200288	211307	223171	235949	249628
D. & N. Haveli	7653	8210	8775	9343	9920	10513	11120	11741	12373
Daman & Diu	2327	2449	2577	2712	2855	3006	3166	3337	3517
Western Region	403010	429217	455250	481501	508032	535810	564915	595591	627624
Andhra Pradesh	63290	68034	73090	78540	84429	90794	97181	104072	111485
Telangana	67680	75164	80700	84603	88130	91836	95776	99945	104345
Karnataka	73636	77532	81622	85932	90381	95042	99916	105017	110368
Kerala	27184	28535	29924	31371	32861	34393	35964	37582	39357
Tamil Nadu	117505	123724	130189	136643	144145	152357	161349	170822	180989
Puducherry	3254	3387	3521	3664	3809	3959	4114	4279	4448
Southern Region	352549	376376	399047	420753	443754	468380	494301	521717	550992
Bihar	28637	31017	35152	38416	41208	43926	46735	50717	54363
Jharkhand	25880	27488	29052	30649	32209	33850	35544	37354	39252
Odisha	29124	30302	31224	32164	33172	34163	35219	36326	37453
West Bengal	61485	63979	66634	69361	72222	75264	78463	81915	85590
Sikkim	548	577	607	638	669	702	737	773	810
Eastern Region	145674	153363	162669	171228	179480	187906	196698	207085	217468
Assam	10831	11894	12959	14051	15164	16355	17631	18998	20462
Manipur	1592	1769	1925	2103	2300	2515	2760	3020	3300
Meghalaya	2242	2378	2470	2566	2667	2771	2900	3036	3177
Nagaland	930	992	1059	1129	1200	1275	1356	1441	1524
Tripura	1394	1456	1525	1595	1661	1731	1796	1866	1930
Arunachal Pradesh	1089	1210	1345	1498	1669	1863	2081	2326	2601
Mizoram	681	737	799	866	937	1013	1095	1181	1307
North E. Region	18758	20437	22083	23809	25598	27523	29619	31869	34301
Andaman & Nicobar	385	414	446	475	504	535	566	598	632
Lakshadweep	55	57	59	62	64	66	68	70	73
All India	1317962	1399913	1483257	1566023	1650594	1739618	1836001	1939111	2047434

**19TH ELECTRIC POWER SURVEY FORECAST  
ALL INDIA & STATE WISE / UT WISE  
PEAK ELECTRICITY DEMAND (MW) (Ex Bus)  
(Utilities only)**

State/UTs	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Delhi	6764	6997	7233	7471	7712	7954	8217	8482	8751
Haryana	10397	10975	11596	12222	12819	13501	14415	15398	16451
Himachal Pradesh	1683	1751	1822	1898	1977	2059	2146	2236	2331
Jammu & Kashmir	2565	2733	2920	3095	3332	3585	3859	4157	4482
Punjab	12914	13559	14216	14886	15654	16431	17217	18009	18809
Rajasthan	12540	13133	13761	14435	15176	16048	17282	18651	20131
Uttar Pradesh	18821	20334	21948	23664	25331	26658	28053	29522	31064
Uttarakhand	2536	2739	2953	3180	3420	3675	3945	4232	4538
Chandigarh	441	457	474	491	509	527	546	566	587
Northern Region	62279	65919	69766	73770	77929	82017	86776	91835	97182
Goa	721	767	813	858	904	951	999	1047	1096
Gujarat	17734	18937	20172	21429	22730	24079	25471	26908	28387
Chhattisgarh	5080	5442	5809	6208	6613	7050	7513	8006	8518
Madhya Pradesh	12829	13816	14802	15676	16445	17223	18014	18840	19682
Maharashtra	23953	25544	27148	28866	30725	32717	34911	37269	39828
D. & N. Haveli	1026	1112	1201	1291	1385	1483	1584	1689	1798
Daman & Diu	366	385	405	426	449	473	498	525	553
Western Region	58654	62728	66847	71020	75275	79748	84502	89528	94825
Andhra Pradesh	9544	10259	11021	11843	12731	13690	14656	15698	16820
Telangana	11262	12712	13757	14499	15338	16086	16885	17738	18653
Karnataka	12169	12834	13534	14271	15033	15834	16674	17554	18481
Kerala	4561	4788	5021	5263	5513	5770	6034	6305	6603
Tamil Nadu	17230	18213	19240	20273	21471	22784	24225	25750	27392
Puducherry	518	539	561	583	606	630	655	681	708
Southern Region	52171	56007	59581	62975	66710	70579	74666	79002	83652
Bihar	4904	5308	6016	6576	7054	7521	8003	8681	9308
Jharkhand	4378	4656	4915	5193	5450	5733	6013	6326	6626
Orissa	4816	5016	5176	5340	5517	5691	5878	6073	6273
West Bengal	11267	11724	12191	12688	13318	13873	14435	15065	15680
Sikkim	146	154	162	170	179	187	197	206	216
Eastern Region	23868	25130	26633	28046	29500	30895	32319	34031	35674
Assam	2091	2297	2502	2713	2979	3271	3590	3868	4166
Manipur	303	339	372	410	453	499	553	611	667
Meghalaya	427	453	470	488	508	528	552	578	605
Nagaland	191	204	219	234	250	266	284	303	322
Tripura	333	351	371	391	411	432	452	474	495
Arunachal Pradesh	202	224	249	278	309	345	386	431	482
Mizoram	137	148	159	171	185	199	213	229	252
North E. Region	3537	3856	4170	4499	4891	5319	5790	6235	6710
Andaman & Nicobar	78	84	91	97	103	109	115	122	129
Lakshadweep	10	11	11	11	12	12	13	13	13
All India	188360	200696	213244	225751	238899	252288	266844	282418	298774

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