

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
UNSTARRED QUESTION NO.791
ANSWERED ON 08.02.2022

ELECTRICAL LOAD VIS-A-VIS PLAN TO INCREASE POWER GENERATION

791 # SHRI NARESH BANSAL:

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

- (a) whether Government has made State-wise assessment of the power load required at the time of peak demand of power after the completion of Saubhagya scheme;
- (b) if so, the State-wise details of the estimated electrical load at the time of peak power demand;
- (c) whether the grid capacity will be adequate to meet the estimated electrical load, if so, the details thereof; and
- (d) if not, whether Government has made any plan to increase the power generation and grid capacity accordingly?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : The 19th Electric Power Survey (EPS) report, covers electricity demand projection for the year 2016-17 to 2026-27 as well as perspective electricity demand projection for the year 2031-32 and 2036-37 for each State/UT. The State/UT-wise details of the estimated energy requirement and peak demand of the country from the year 2021-22 to 2026-27 and for perspective years 2031-32 & 2036-37 are given at **Annexure**.

(c) & (d) : India has robust Transmission Grid capacity. Power from one State to another State can be transmitted through Electricity Grids. The cumulative inter regional transmission capacity of the National Grid as on 31.01.2022 was 1,12,250 MW, which has ensured seamless transfer of power in the Electricity Grid.

As on 31.12.2021, the Installed Generation Capacity of the country was around 393 GW. Further, to meet the future demand of electricity as projected in 19th EPS, by 31.03.2030, the installed generation capacity is planned to be around 817 GW.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 791 ANSWERED IN THE RAJYA SABHA ON 08.02.2022

The Estimated energy requirement and peak demand of the country, State/UT-wise from the year 2021-22 to 2026-27 and for perspective years 2031-32 & 2036-37

Electrical Energy Requirement (in MUs) (Ex Bus)

State/UT	2021-22 *	2022-23	2023-24	2024-25	2025-26	2026-27	2031-32	2036-37
Delhi	26920	38997	40224	41557	42904	44267	51850	61085
Haryana	47540	66747	70333	75110	80239	85743	105853	126074
Himachal Pradesh	10104	12360	12876	13417	13983	14576	17752	21745
Jammu & Kashmir	16431	19963	21161	22433	23795	25254	32445	38941
Punjab	54710	76826	81369	86027	90789	95658	119111	143104
Rajasthan	73813	95782	101200	108808	117219	126290	161606	199552
Uttar Pradesh	109906	159412	167731	176477	185674	195323	234290	284645
Uttarakhand	12920	20687	22029	23438	24920	26480	32487	38451
Chandigarh	1401	2388	2475	2566	2659	2756	3309	4020
Goa	3697	5855	6120	6389	6660	6932	8170	9630
Gujarat	102592	144186	152475	160989	169732	178693	226797	274401
Chhattisgarh	26070	40155	42661	45315	48146	51088	63714	76664
Madhya Pradesh	69979	104772	109727	114765	120027	125394	154559	183762
Maharashtra	141507	200288	211307	223171	235949	249628	308842	364213
D. & N. Haveli	5689	9920	10513	11120	11741	12373	15627	18813
Daman & Diu	2149	2855	3006	3166	3337	3517	4331	5334
Andhra Pradesh	55902	84429	90794	97181	104072	111485	145148	180190
Telangana	56241	88130	91836	95776	99945	104345	128412	158055
Karnataka	57410	90381	95042	99916	105017	110368	136480	161798
Kerala	21733	32861	34393	35964	37582	39357	46788	55630
Tamil Nadu	90396	144145	152357	161349	170822	180989	217952	262507
Puducherry	2421	3809	3959	4114	4279	4448	5368	6479
Bihar	30603	41208	43926	46735	50717	54363	68374	82978
Jharkhand	9230	32209	33850	35544	37354	39252	47714	58001
Odisha	31797	33172	34163	35219	36326	37453	42903	49786
West Bengal	45356	72222	75264	78463	81915	85590	103722	125708
Sikkim	489	669	702	737	773	810	952	1095
Assam	9284	15164	16355	17631	18998	20462	26882	32906
Manipur	837	2300	2515	2760	3020	3300	4513	5773
Meghalaya	1855	2667	2771	2900	3036	3177	3654	4218
Nagaland	724	1200	1275	1356	1441	1524	1802	2086
Tripura	1338	1661	1731	1796	1866	1930	2301	2779
Arunachal Pradesh	710	1669	1863	2081	2326	2601	4202	5814
Mizoram	546	937	1013	1095	1181	1307	1760	2210
Andaman & Nicobar	279	504	535	566	598	632	777	932
Lakshadweep	46	64	66	68	70	73	86	101
All India	1141941	1650594	1739618	1836001	1939111	2047434	2530531	3049478

* Note : The actual energy requirement during 2021-22 (Upto January 2022)

Peak Electricity Demand (in MW) (Ex Bus)

State/UT	2021-22 **	2022-23	2023-24	2024-25	2025-26	2026-27	2031-32	2036-37
Delhi	7323	7712	7954	8217	8482	8751	10139	11549
Haryana	12120	12819	13501	14415	15398	16451	20046	23486
Himachal Pradesh	2030	1977	2059	2146	2236	2331	2895	3546
Jammu & Kashmir	3037	3332	3585	3859	4157	4482	5787	6839
Punjab	13556	15654	16431	17217	18009	18809	23003	26732
Rajasthan	15752	15176	16048	17282	18651	20131	26575	34000
Uttar Pradesh	24965	25331	26658	28053	29522	31064	38885	48498
Uttarakhand	2468	3420	3675	3945	4232	4538	5670	6712
Chandigarh	426	509	527	546	566	587	699	819
Goa	646	904	951	999	1047	1096	1361	1604
Gujarat	19451	22730	24079	25471	26908	28387	37359	45201
Chhattisgarh	4878	6613	7050	7513	8006	8518	10783	12975
Madhya Pradesh	15917	16445	17223	18014	18840	19682	25205	29968
Maharashtra	25653	30725	32717	34911	37269	39828	50918	60047
D. & N. Haveli	871	1385	1483	1584	1689	1798	2486	3079
Daman & Diu	371	449	473	498	525	553	706	870
Andhra Pradesh	11570	12731	13690	14656	15698	16820	23223	29661
Telangana	13622	15338	16086	16885	17738	18653	22951	27814
Karnataka	14158	15033	15834	16674	17554	18481	22979	27242
Kerala	4261	5513	5770	6034	6305	6603	7972	9478
Tamil Nadu	16541	21471	22784	24225	25750	27392	34242	42409
Puducherry	465	606	630	655	681	708	875	1057
Bihar	7154	7054	7521	8003	8681	9308	11944	14495
Jharkhand	1808	5450	5733	6013	6326	6626	8155	9913
Odisha	5643	5517	5691	5878	6073	6273	7232	8392
West Bengal	9089	13318	13873	14435	15065	15680	18827	22461
Sikkim	133	179	187	197	206	216	247	272
Assam	2126	2979	3271	3590	3868	4166	5384	6367
Manipur	258	453	499	553	611	667	904	1117
Meghalaya	408	508	528	552	578	605	699	781
Nagaland	173	250	266	284	303	322	375	419
Tripura	328	411	432	452	474	495	570	659
Arunachal Pradesh	197	309	345	386	431	482	774	1054
Mizoram	157	185	199	213	229	252	338	411
Andaman & Nicobar	60	103	109	115	122	129	153	177
Lakshadweep	11	12	12	13	13	13	16	18
All India	203014	238899	252288	266844	282418	298774	370462	447702

**** Note :** The actual peak electricity demand during 2021-22 (Upto January 2022)
