

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3932
ANSWERED ON 19.12.2024**

GENERATION AND CONSUMPTION OF POWER

†3932. SHRI UMMEDA RAM BENIWAL:

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

- (a) whether there has been an increase in generation, demand and consumption of power in the country during the last five years and the current year and if so, the details thereof, State-wise including Rajasthan;**
- (b) the details of the future plans formulated by the Government to meet the rising demand of power in the country, State-wise particularly in Rajasthan;**
- (c) whether the Government has set up/approved new power projects and if so, the details thereof, State-wise including Rajasthan;**
- (d) whether the people of Barmer, Jaisalmer are not getting electricity for domestic and agriculture use whereas the said area has vital contribution in power generation in the country; and**
- (e) if so, the steps taken/proposed to be taken by the Government to ensure adequate power supply to them?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) : There has been consistent increase in generation, demand and consumption of power in the country during the last five years. The State/ UT-wise details of Energy Generation during the last five years and the current year i.e. 2024-25 (upto October, 2024) are given at Annexure-I. The State/UT-wise details of Energy Requirement and Energy Supplied (including Rajasthan) during the last five years and the current year i.e. 2024-25 (upto October, 2024) are given at Annexure-II.

(b) & (c): As per midterm review of 20th Electric Power Survey (EPS), the country's peak electricity demand in 2031-32 is projected to be 388 GW. To meet this power demand, Government has undertaken the following steps, including Rajasthan:

1. Generation Planning:

- (i) Installed generation capacity in 2031-32 is likely to be 900 GW. This includes capacity from conventional sources- Coal, Lignite etc., renewable sources- Solar, Wind, Hydro, Pump Storage project (PSP) and Battery Energy Storage System (BESS).**

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- (ii) **With a view to ensure generation capacity remains ahead of projected peak demand, all the States, in consultation with CEA, have prepared their “ Resource Adequacy Plans (RAPs)”, which are dynamic 10 year rolling plans and includes power generation as well as power procurement planning.**
- (iii) **All the States were advised to initiate process for creation of contract for generation capacities; from all generation sources, as per their Resource Adequacy Plans.**
- (iv) **In order to augment the power generation capacity, the Government of India has initiated following capacity addition programme:**
 - (a) **Ministry of Power, in consultation with States, has envisaged a plan to add thermal capacity of a minimum 80,000 MW by 2031-32. Against this target, 29,200 MW Thermal Capacity is already under construction while 51,520 MW is at various stages of planning & development.**
 - (b) **13,997.5 MW of Hydro Electric Projects and 6,050 MW Pumped Storage Projects (PSP) are under construction. 24,225.5 MW of hydro electric projects and 50,760 MW of PSP are under various stage of planning and targeted to be completed by 2031-32.**
 - (c) **7,300 MW of Nuclear Capacity is under construction and target to be completed by 2029-30. 7,000 MW is under various stages of planning and approval.**

2. Transmission Planning: Inter and Intra-state transmission system has been planned and implementation of the same is taken up in matching time frame of generation capacity addition. As per the National Electricity Plan, about 1,91,474 ckm of transmission lines and 1274 GVA of transformation capacity is planned to be added (at 220 kV and above voltage level) during the ten year period from 2022-23 to 2031-32.

In Rajasthan, steps have been taken for addition of transformation capacity at several Substations with likely completion schedule of 2026-27 viz Fategarh-3 (5500 MVA), Bikaner (1500 MVA), Kotputli (500 MVA), Bikaner II (2500 MVA), Bikaner (PG) (1500 MVA), Fatehgarh-2 PS(500 MVA), Bhadla-2 PS (1500 MVA), KPS3 (GIS) (1500 MVA), Sikar –II (300 MVA), Bhadla III (8500 MVA), Ramgarh PS (4500 MVA), Dausa (300 MVA), Bikaner-III Pooling Station (11500 MVA), Sirohi (300 MVA), Barmer-I Pooling Station (5500 MVA), Bikaner-IV Pooling Station (1200 MVA), Beawar (300 MVA), Neemrana-II (600 MVA) and Fatehgarh-4 (1100 MVA).

3. Distribution System Planning:

- a) **An expenditure of approx Rs. 1.85 lakh crore was incurred for strengthening the distribution system of the country through the schemes of Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), Integrated Power Development Scheme (IPDS) and Pradhan Mantri Sahaj Bijli Har Ghar Yojana (SAUBHAGYA). The Government of India has now launched “Revamped Distribution Sector Scheme (RDSS) on 20th July 2021 with the objective of improving the quality and reliability of power supply to consumers through a financially sustainable and operationally efficient distribution sector. The Scheme has an outlay of Rs. 3,03,758 crore and a Gross Budgetary Support of Rs. 97,631 crore from Government of India over a period of five years from 2021-22 to FY 2025-26. Under RDSS, projects worth Rs. 2.77 lakh crore for distribution infrastructure works and smart metering works have been sanctioned at National level.**
- b) **Realizing the importance of the requirement of Distribution infrastructure for meeting the projected demand up to 2030, Distribution Perspective Plan upto 2029-30 has been prepared by CEA and has been shared with the States/ UTs**

4. Promotion of Renewable Energy Generation:

- a) **India has committed to augment non fossil fuel based installed electricity generation capacity to over 5,00,000 MW by 2031-32. Transmission plan for integration of 5,00,000 MW RE capacity is being implemented in a phased manner commensurate with RE capacity**
- b) **Waiver of ISTS charges on transmission of electricity generated from Solar, Wind, Pumped Storage Plants and Battery Energy Storage Systems.**
- c) **Renewable Purchase Obligations (RPOs) and Energy Storage obligations Trajectory till 2029-30.**
- d) **Construction of Green Energy Corridors and putting in place 13 Renewable Energy Management Centres.**
- e) **Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers for installation of RE projects at large scale.**

The details of under construction power projects in the country including Rajasthan are given at Annexure-III.

(d) to (e) : Electricity, being a concurrent subject, supply and distribution of electricity to the consumers in a State/ UT is within the purview of respective State Government/Power Utility. Making arrangement of appropriate quantum of power from various sources to meet the demand of various types of electricity consumers in any State/ UT is in the jurisdiction of concerned State Government and the State Electricity Regulatory Commission. The Central Government supplements the efforts of the State Governments by establishing power plants in Central Sector through Central Public Sector Undertaking (CPSUs) and allocating power from them to the various States/ UTs.

Government of India has allocated upto 18.3 % power (approx 238.5 MW) from Northern Region unallocated pool of Central Generating Stations to Rajasthan during the winter months from October, 2024 to March, 2025. Further, keeping in view of the Power Supply Position of Rajasthan, Government of India has allocated additional power to Rajasthan from Unallocated Regional Power pool of Central Generating Stations from time to time during the current financial year to enable the State to meet the power demand as per the following details:

- (i) 150 MW allocated from 01.04.2024 to 30.06.2024;**
- (ii) 400 MW allocated from 26.06.2024 to 10.11.2024;**
- (iii) 500 MW allocated from 11.07.2024 to 30.09.2024;**
- (iv) 265 MW allocated from 07.08.2024 to 31.10.2024;**
- (v) 200 MW allocated from 01.10.2024 to 31.12.2024; and**
- (vi) 300 MW allocated from 16.10.2024 to 31.03.2025.**

ANNEXURE-I

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3932 ANSWERED IN THE LOK SABHA ON 19.12.2024

The State-wise details of Energy Generation for last five years and the current year i.e. 2024-25 (upto October, 2024)

All Figures in Million Units

State/ UT	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25 (Upto Oct 2024)
Andaman & Nicobar Islands	17	158	152	253	375	239
Andhra Pradesh	76,936	66,883	74,198	81,702	90,081	54,625
Arunachal Pradesh	1,788	3,453	4,163	4,846	4,281	3,220
Assam	8,089	6,021	8,399	9,154	9,429	6,051
Bihar	35,720	34,093	44,180	55,489	58,704	36,162
Chhattisgarh	1,19,337	1,36,668	1,43,213	1,44,840	1,65,187	97,290
Delhi	6,439	5,731	5,408	4,314	4,484	3,662
Goa	1	1	17	20	68	38
Gujarat	1,24,666	1,21,859	87,887	95,018	1,35,399	96,299
Haryana	18,051	15,657	24,103	33,559	29,849	20,769
Himachal Pradesh	43,002	39,633	38,504	41,580	38,953	35,171
Jammu and Kashmir	18,537	17,442	17,490	17,170	16,283	13,005
Jharkhand	26,247	27,469	28,916	30,800	35,985	23,557
Karnataka	70,777	67,393	80,568	85,189	91,469	56,826
Kerala	6,271	7,830	10,932	9,935	7,360	6,274
Ladakh	270	376	406	403	388	337
Lakshadweep	1	0	0	15	65	39
Madhya Pradesh	1,29,398	1,38,085	1,43,038	1,52,021	1,64,780	95,767
Maharashtra	1,45,404	1,31,805	1,53,066	1,58,994	1,69,038	99,541
Manipur	371	630	462	487	307	431
Meghalaya	1,081	1,209	887	1,052	876	845
Mizoram	227	193	165	266	218	244
Nagaland	257	274	164	289	246	255
Odisha	49,037	62,944	66,473	71,529	73,444	43,743
Puducherry	260	238	263	245	236	130
Punjab	28,748	25,606	31,128	40,076	41,261	26,280
Rajasthan	70,291	70607	83,997	1,05,963	1,16,845	75,838
Sikkim	11,088	10,936	11,506	11,709	8,622	1,648
Tamil Nadu	1,03,262	91,736	1,06,081	1,16,688	1,23,311	81,024
Telangana	58,649	55,339	64,523	64,178	65,666	41,144
Tripura	6,121	7,059	6,340	7,086	6,360	2,965
Uttar Pradesh	1,29,323	1,32,669	1,43,159	1,63,447	1,65,052	1,05,766
Uttarakhand	17,735	15,551	16,216	16,368	15,460	12,561
West Bengal	75,787	77,478	88,252	92,995	94,250	57,597
DNH&DD	28	52	97	31	29	16
Chandigarh	13	10	14	13	12	6
Total	13,83,327	13,73,090*	14,84,366	16,17,724	17,34,375	10,99,370

*Covid Pandemic period

ANNEXURE-II

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3932 ANSWERED IN THE LOK SABHA ON 19.12.2024

The State-wise details of Energy requirement and Energy Supplied (including Rajasthan) for year 2018-19 and 2019-20

State/ UT	April, 2018 - March, 2019				April, 2019 - March, 2020			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)
Chandigarh	1,571	1,571	0	0.0	1,732	1,732	0	0.0
Delhi	32,299	32,282	17	0.1	33,086	33,077	9	0.0
Haryana	53,665	53,665	0	0.0	54,505	54,492	13	0.0
Himachal Pradesh	9,850	9,618	232	2.4	10,424	10,353	71	0.7
UT of J&K and Ladakh	18,988	15,616	3,372	17.8	20,025	16,259	3,767	18.8
Punjab	55,328	55,315	13	0.0	56,776	56,770	6	0.0
Rajasthan	79,815	79,626	189	0.2	81,281	81,222	58	0.1
Uttar Pradesh	1,17,133	1,16,149	984	0.8	1,22,549	1,21,004	1,545	1.3
Uttarakhand	13,845	13,753	92	0.7	14,472	14,376	96	0.7
Chhattisgarh	26,471	26,417	54	0.2	30,111	30,107	4	0.0
Gujarat	1,16,372	1,16,356	15	0.0	1,13,940	1,13,939	1	0.0
Madhya Pradesh	76,056	76,054	2	0.0	76,172	76,172	0	0.0
Maharashtra	1,58,295	1,58,157	137	0.1	1,55,167	1,55,166	0	0.0
Daman & Diu	2,558	2,558	0	0.0	2,574	2,574	0	0.0
Dadra & Nagar Haveli	6,303	6,302	0	0.0	6,528	6,528	0	0.0
Goa	4,295	4,292	3	0.1	4,350	4,350	0	0.0
Andhra Pradesh	63,861	63,804	58	0.1	65,452	65,414	38	0.1
Telangana	66,489	66,427	62	0.1	68,306	68,303	3	0.0
Karnataka	71,764	71,695	69	0.1	72,799	72,796	3	0.0
Kerala	25,016	24,898	118	0.5	26,315	26,265	50	0.2
Tamil Nadu	1,09,482	1,09,380	102	0.1	1,08,816	1,08,812	4	0.0
Puducherry	2,766	2,756	10	0.3	2,847	2,846	1	0.0
Lakshadweep	46	46	0	0.0	46	46	0	0.0
Bihar	30,061	29,825	236	0.8	31,627	31,533	94	0.3
DVC	22,745	22,372	372	1.6	22,429	22,427	2	0.0
Jharkhand	8,737	8,490	247	2.8	8,941	8,872	69	0.8
Odisha	32,145	32,115	30	0.1	29,692	29,692	0	0.0
West Bengal	51,471	51,287	184	0.4	52,948	52,824	124	0.2
Sikkim	527	527	0	0.1	554	554	0	0.0
Andaman-Nicobar	346	323	23	6.7	346	323	23	6.7
Arunachal Pradesh	869	859	9	1.1	753	749	4	0.5
Assam	9,566	9,238	328	3.4	9,804	9,288	516	5.3
Manipur	905	895	10	1.2	924	917	6	0.7
Meghalaya	1,957	1,956	2	0.1	2,112	2,064	48	2.3
Mizoram	643	635	8	1.2	647	643	4	0.7
Nagaland	888	795	93	10.5	814	809	5	0.7
Tripura	1,863	1,841	22	1.2	1,538	1,515	23	1.5
All India	12,74,595	12,67,526	7,070	0.6	12,91,010	12,84,444	6,566	0.5

The State-wise details of Energy requirement and Energy Supplied (including Rajasthan) for year 2020-21 and 2021-22

State/ UT	April, 2020 - March, 2021				April, 2021 - March, 2022			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)
Chandigarh	1,523	1,523	0	0.0	1,606	1,606	0	0.0
Delhi	29,560	29,555	4	0.0	31,128	31,122	6	0.0
Haryana	53,161	53,108	53	0.1	55,499	55,209	290	0.5
Himachal Pradesh	10,186	10,130	56	0.5	12,115	12,088	27	0.2
UT of J&K and Ladakh	19,773	17,222	2,551	12.9	19,957	18,434	1,524	7.6
Punjab	58,445	58,377	67	0.1	62,846	62,411	436	0.7
Rajasthan	85,311	85,205	106	0.1	89,814	89,310	504	0.6
Uttar Pradesh	1,24,367	1,23,383	984	0.8	1,29,448	1,28,310	1,138	0.9
Uttarakhand	13,827	13,818	8	0.1	15,521	15,426	94	0.6
Chhattisgarh	30,472	30,449	22	0.1	31,908	31,872	35	0.1
Gujarat	1,11,622	1,11,622	0	0.0	1,23,953	1,23,666	287	0.2
Madhya Pradesh	83,437	83,437	0	0.0	86,501	86,455	46	0.1
Maharashtra	1,50,679	1,50,663	16	0.0	1,72,823	1,72,809	14	0.0
Daman & Diu	2,223	2,223	0	0.0	2,594	2,594	0	0.0
Dadra & Nagar Haveli	5,497	5,497	0	0.0	6,839	6,839	0	0.0
Goa	4,083	4,083	0	0.0	4,448	4,448	0	0.0
Andhra Pradesh	62,080	62,076	4	0.0	68,413	68,219	194	0.3
Telangana	66,998	66,994	4	0.0	70,539	70,523	16	0.0
Karnataka	68,851	68,831	19	0.0	72,437	72,417	20	0.0
Kerala	25,118	25,102	16	0.1	26,579	26,570	9	0.0
Tamil Nadu	1,01,194	1,01,189	5	0.0	1,09,816	1,09,798	18	0.0
Puducherry	2,644	2,644	0	0.0	2,894	2,893	1	0.0
Lakshadweep	56	56	0	0.0	56	56	0	0.0
Bihar	34,171	34,018	153	0.4	36,216	35,761	455	1.3
DVC	21,368	21,368	0	0.0	23,741	23,736	4	0.0
Jharkhand	9,953	9,675	278	2.8	11,148	10,590	558	5.0
Odisha	29,848	29,848	0	0.0	38,339	38,332	7	0.0
West Bengal	51,644	51,543	100	0.2	54,001	53,945	57	0.1
Sikkim	546	546	0	0.0	610	609	0	0.0
Andaman- Nicobar	346	323	23	6.7	335	327	8	2.3
Arunachal Pradesh	719	714	5	0.7	875	874	1	0.1
Assam	10,192	9,815	377	3.7	10,844	10,825	19	0.2
Manipur	974	969	5	0.5	1,019	1,018	1	0.1
Meghalaya	2,031	2,005	26	1.3	2,256	2,243	13	0.6
Mizoram	728	723	4	0.6	656	644	12	1.8
Nagaland	826	822	4	0.5	852	851	1	0.1
Tripura	1,484	1,481	3	0.2	1,578	1,578	0	0.0
All India	12,75,534	12,70,663	4,871	0.4	13,79,812	13,74,024	5,787	0.4

The State-wise details of Energy requirement and Energy Supplied (including Rajasthan) for year 2022-23 and 2023-24

State/ UT	April, 2022 - March, 2023				April, 2023 - March, 2024			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)
Chandigarh	1,788	1,788	0	0.0	1,789	1,789	0	0.0
Delhi	35,143	35,133	10	0.0	35,501	35,496	5	0.0
Haryana	61,451	60,945	506	0.8	63,983	63,636	348	0.5
Himachal Pradesh	12,649	12,542	107	0.8	12,805	12,767	38	0.3
UT of J&K and Ladakh	19,639	19,322	317	1.6	20,040	19,763	277	1.4
Punjab	69,522	69,220	302	0.4	69,533	69,528	5	0.0
Rajasthan	1,01,801	1,00,057	1,745	1.7	1,07,422	1,06,806	616	0.6
Uttar Pradesh	1,44,251	1,43,050	1,201	0.8	1,48,791	1,48,287	504	0.3
Uttarakhand	15,647	15,386	261	1.7	15,644	15,532	112	0.7
Chhattisgarh	37,446	37,374	72	0.2	39,930	39,872	58	0.1
Gujarat	1,39,043	1,38,999	44	0.0	1,45,768	1,45,740	28	0.0
Madhya Pradesh	92,683	92,325	358	0.4	99,301	99,150	151	0.2
Maharashtra	1,87,309	1,87,197	111	0.1	2,07,108	2,06,931	176	0.1
Daman & Diu								
Dadra & Nagar Haveli	10,018	10,018	0	0.0	10,164	10,164	0	0.0
Goa	4,669	4,669	0	0.0	5,111	5,111	0	0.0
Andhra Pradesh	72,302	71,893	410	0.6	80,209	80,151	57	0.1
Telangana	77,832	77,799	34	0.0	84,623	84,613	9	0.0
Karnataka	75,688	75,663	26	0.0	94,088	93,934	154	0.2
Kerala	27,747	27,726	21	0.1	30,943	30,938	5	0.0
Tamil Nadu	1,14,798	1,14,722	77	0.1	1,26,163	1,26,151	12	0.0
Puducherry	3,051	3,050	1	0.0	3,456	3,455	1	0.0
Lakshadweep	64	64	0	0.0	64	64	0	0.0
Bihar	39,545	38,762	783	2.0	41,514	40,918	596	1.4
DVC	26,339	26,330	9	0.0	26,560	26,552	8	0.0
Jharkhand	13,278	12,288	990	7.5	14,408	13,858	550	3.8
Odisha	42,631	42,584	47	0.1	41,358	41,333	25	0.1
West Bengal	60,348	60,274	74	0.1	67,576	67,490	86	0.1
Sikkim	587	587	0	0.0	544	543	0	0.0
Andaman- Nicobar	348	348	0	0.1	386	374	12	3.2
Arunachal Pradesh	915	892	24	2.6	1,014	1,014	0	0.0
Assam	11,465	11,465	0	0.0	12,445	12,341	104	0.8
Manipur	1,014	1,014	0	0.0	1,023	1,008	15	1.5
Meghalaya	2,237	2,237	0	0.0	2,236	2,066	170	7.6
Mizoram	645	645	0	0.0	684	684	0	0.0
Nagaland	926	873	54	5.8	921	921	0	0.0
Tripura	1,547	1,547	0	0.0	1,691	1,691	0	0.0
All India	15,13,497	15,05,914	7,583	0.5	16,26,132	16,22,020	4,112	0.3

The State-wise details of Energy requirement and Energy Supplied (including Rajasthan) for year 2024-25 (till October 2024)

State / UT	April, 2024 - October, 2024			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
Chandigarh	1,360	1,360	0	0.0
Delhi	26,704	26,693	11	0.0
Haryana	47,519	47,490	29	0.1
Himachal Pradesh	7,989	7,964	25	0.3
UT of J&K and Ladakh	11,097	11,042	55	0.5
Punjab	54,610	54,610	0	0.0
Rajasthan	65,163	64,860	304	0.5
Uttar Pradesh	1,11,484	1,11,188	296	0.3
Uttarakhand	10,520	10,479	41	0.4
Chhattisgarh	25,656	25,640	17	0.1
Gujarat	89,842	89,842	0	0.0
Madhya Pradesh	55,921	55,841	80	0.1
Maharashtra	1,14,835	1,14,777	58	0.1
Dadra & Nagar Haveli and Daman & Diu	6,351	6,351	0	0.0
Goa	3,157	3,157	0	0.0
Andhra Pradesh	46,477	46,475	1	0.0
Telangana	48,387	48,385	2	0.0
Karnataka	50,019	50,018	2	0.0
Kerala	18,414	18,407	8	0.0
Tamil Nadu	79,602	79,600	2	0.0
Puducherry	2,206	2,205	0	0.0
Lakshadweep	39	39	0	0.0
Bihar	29,804	29,656	148	0.5
DVC	15,539	15,536	3	0.0
Jharkhand	9,355	9,286	69	0.7
Odisha	27,015	26,991	24	0.1
West Bengal	46,772	46,687	84	0.2
Sikkim	297	297	0	0.0
Andaman- Nicobar	248	240	8	3.4
Arunachal Pradesh	601	601	0	0.0
Assam	8,538	8,533	6	0.1
Manipur	580	579	0	0.1
Meghalaya	1,128	1,128	0	0.0
Mizoram	391	391	0	0.0
Nagaland	570	570	0	0.0
Tripura	1,235	1,235	0	0.0
All India	10,26,642	10,25,379	1,263	0.1

ANNEXURE-III

ANNEXURE REFERRED IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 3932 ANSWERED IN THE LOK SABHA ON 19.12.2024

Details of under construction Thermal Power Projects:

Sl. No	Project Name/ Impl. Agency	Sector	State	Unit No.	Capacity (MW)
1	Ghatampur TPP (NUPPL)	CENTRAL	Uttar Pradesh	U-1	660
2	Yadadri TPS (TSGENCO)	STATE	Telangana	U-2	800
3	Khurja SCTPP (THDC)	CENTRAL	Uttar Pradesh	U-1	660
4	Jawaharpur STPP (UPRVUNL)	STATE	Uttar Pradesh	U-2	660
5	North Chennai TPP St-III (TANGEDCO)	STATE	Tamil Nadu	U-1	800
6	Yadadri TPS (TSGENCO)	STATE	Telangana	U-1	800
7	Obra-C STPP (UPRVUNL)	STATE	Uttar Pradesh	U-2	660
8	Bhusawal TPS (MAHAGENCO)	STATE	Maharashtra	U-6	660
9	Patratu STPP (PVUNL)	CENTRAL	Jharkhand	U-1	800
10	Panki TPS Extn. (UPRVUNL)	STATE	Uttar Pradesh	U-1	660
11	Yadadri TPS (TSGENCO)	STATE	Telangana	U-4	800
12	Barh STPP St-I (NTPC)	CENTRAL	Bihar	U-3	660
13	Buxar TPP (SJVN)	CENTRAL	Bihar	U-1	660
14	North Karanpura STPP (NTPC)	CENTRAL	Jharkhand	U-3	660
15	Ghatampur TPP (NUPPL)	CENTRAL	Uttar Pradesh	U-2	660
16	Udangudi STPP St-I (TANGEDCO)	STATE	Tamil Nadu	U-1	660
17	Yadadri TPS (TSGENCO)	STATE	Telangana	U-3	800
18	Khurja SCTPP (THDC)	CENTRAL	Uttar Pradesh	U-2	660
19	Sagardighi TPP St-III (WBPDCCL)	STATE	West Bengal	U-5	660
20	Udangudi STPP St-I (TANGEDCO)	STATE	Tamil Nadu	U-2	660
21	Yadadri TPS (TSGENCO)	STATE	Telangana	U-5	800
22	Buxar TPP (SJVN)	CENTRAL	Bihar	U-2	660
23	Ghatampur TPP (NUPPL)	CENTRAL	Uttar Pradesh	U-3	660
24	Patratu STPP (PVUNL)	CENTRAL	Jharkhand	U-2	800
25	Patratu STPP (PVUNL)	CENTRAL	Jharkhand	U-3	800
26	Ennore SCTPP (TANGEDCO)	STATE	Tamil Nadu	U-1	660
27	Ennore SCTPP (TANGEDCO)	STATE	Tamil Nadu	U-2	660
28	Mahan USCTPP Ph-II (Adani Power)	PRIVATE	Madhya Pradesh	U-3	800
29	Mahan USCTPP Ph-II (Adani Power)	PRIVATE	Madhya Pradesh	U-4	800
30	Talcher TPP St-III (NTPC)	CENTRAL	Odisha	U-1	660
31	Talcher TPP St-III (NTPC)	CENTRAL	Odisha	U-2	660
32	Lara STPP St-II (NTPC)	CENTRAL	Chhattisgarh	U-1	800
33	NLC Talabira TPP (NLC)	CENTRAL	Odisha	U-1	800
34	Lara STPP St-II (NTPC)	CENTRAL	Chhattisgarh	U-2	800
35	NLC Talabira TPP (NLC)	CENTRAL	Odisha	U-2	800
36	NLC Talabira TPP (NLC)	CENTRAL	Odisha	U-3	800
37	Singrauli STPP, St-III (NTPC)	CENTRAL	Uttar Pradesh	U-1	800
38	DCRTPP Extn. (HPGCL)	STATE	Haryana	U-1	800
39	Sipat STPP, St-III (NTPC)	CENTRAL	Chhattisgarh	U-6	800
40	Singrauli STPP, St-III (NTPC)	CENTRAL	Uttar Pradesh	U-2	800
	Grand Total (under active construction)				29200

Details of under construction Hydro Electric Projects (above 25 MW)

Sl. No.	Name of the Project (Executing Agency)	State / UT	Cap. Under Execution(MW)
CENTRAL SECTOR			
	NHPC		
1	Subansiri Lower (NHPC)	Arunachal Pradesh/Assam	2000.00
2	Parbati St. II (NHPC)	Himachal Pradesh	800.00
3	Dibang Multipurpose Project (NHPC)	Arunachal Pradesh	2880.00
4	Teesta St. VI NHPC	Sikkim	500.00
5	Rangit-IV (NHPC)	Sikkim	120.00
6	Ratle (RHEPPL / NHPC)	UT of Jammu & Kashmir	850.00
	CVPPL		
7	Pakal Dul (CVPPL)	UT of Jammu & Kashmir	1000.00
8	Kiru (CVPPL)	UT of Jammu & Kashmir	624.00
9	Kwar (CVPPPL)	UT of Jammu & Kashmir	540.00
	SJVN		
10	Luhri-I (SJVN)	Himachal Pradesh	210.00
11	Dhaultasidh (SJVN)	Himachal Pradesh	66.00
12	Sunni Dam (SJVN)	Himachal Pradesh	382.00
	THDC		
13	Vishnugad Pipalkoti (THDC)	Uttarakhand	444.00
	NTPC		
14	Tapovan Vishnugad (NTPC)	Uttarakhand	520.00
15	Rammam-III (NTPC)	West Bengal	120.00
Sub-Total: Central Sector			11056.00
STATE SECTOR			
	APGENCO		
16	Polavaram (APGENCO/ Irrigation Dept., A.P.)	Andhra Pradesh	960.00
17	Lower Sileru Extension (APGENCO)	Andhra Pradesh	230.00
	HPPCL		
18	Shongtong Karcham (HPPCL)	Himachal Pradesh	450.00
19	Chanju-III (HPPCL)	Himachal Pradesh	48.00
	KSEB		
20	Pallivasal (KSEB)	Kerala	60.00
21	Mankulam (KSEB)	Kerala	40.00
	APGCL		
22	Lower Kopli (APGCL)	Assam	120.00
	BVPCL		
23	Uhi-III (BVPCL)	Himachal Pradesh	100.00
	JKSPDC		
24	Parnai (JKSPDC)	UT of Jammu & Kashmir	37.50
	PSPCL		
25	Shahpurkandi (PSPCL/ Irrigation Deptt., Pb.)	Punjab	206.00
	UJVNL		
26	Lakhwar Multipurpose Project (UJVNL)	Uttarakhand	300.00
Sub-Total: State Sector			2551.50
PRIVATE SECTOR			
	Statkraft		
27	Tidong-I (Statkraft IPL)	Himachal Pradesh	150.00
	JSW		
28	Kutehr (JSW Energy Ltd)	Himachal Pradesh	240.00
Sub-Total: Private Sector			390.00
Total:			13997.50

Details of under implementation Pumped storage Projects (above 25 MW)

Sl. No.	Name of the Project (Executing Agency)	State / UT	Cap. Under Execution(MW)
CENTRAL SECTOR			
	THDC		
1	Tehri PSS (THDC)	Uttarakhand	1000.00
Sub-Total: Central Sector			1000.00
STATE SECTOR			
	APGENCO		
2	Upper Sileru PSP (APGENCO)	Andhra Pradesh	1350.00
	KPCL		
3	Sharavathy Pumped Storage Project	Karnataka	2000.00
	TANGEDCO		
4	Kundah Pumped Storage Phase-I,II&III)	Tamil Nadu	500.00
Sub-Total: State Sector			3850.00
PRIVATE SECTOR			
	Greenko		
5	Pinnapuram (Greenko AP01 IREP Private Limited)	Andhra Pradesh	1200.00
Sub-Total: Private Sector			1200.00
Grand Total			6050.00

Details of Under Construction Nuclear Power Projects:

S.No	Project Name	State	Unit No.	Capacity (MW)
1	Gorakhpur Nuclear Power Plant	Haryana	U-1	1400
			U-2	
2	Rajasthan Atomic Power Station	Rajasthan	U-7	1400
			U-8	
3	Kudankulam Nuclear Power Plant	Tamil Nadu	U-3	4000
			U-4	
			U-5	
4	PFBR (BHAVANI)	Tamil Nadu	-	500
Grand Total				7300

Details of Accorded Administrative Approval Nuclear Capacity

S.No	Project Name	State	Units	Installed Capacity (MW)
1	Gorakhpur	Haryana	Unit # 3 & 4	1400
2	Mahi Banswara Rajasthan Atomic Power Project	Rajasthan	Unit # 1,2,3 & 4	2800
3	Chutka	Madhya Pradesh	Unit # 1 & 2	1400
4	Kaiga Gnerating Station	Karnataka	Unit # 5 & 6	1400
Grand Total				7000
