

**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.1915  
ANSWERED ON 14.12.2023**

**POWER GENERATION CAPABILITIES IN UTTARAKHAND AND ANDHRA PRADESH**

**1915. SHRIMATI MALA RAJYA LAXMI SHAH:  
SHRI KANUMURU RAGHU RAMAKRISHNA RAJU:**

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

- (a) the details of the progress that has been made in enhancing power generation capabilities across the country since 2014 State/UT-wise including Uttarakhand and Andhra Pradesh;**
- (b) the quantum of power that has been produced in the country up to now and factors that have contributed to the growth of India's power generation capacity; and**
- (c) the details of the projects implemented to enhance power supply capacity in the States of Uttarakhand and Andhra Pradesh and the expected benefit from the said initiatives?**

**A N S W E R**

**THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY**

**(SHRI R.K. SINGH)**

**(a) : The Indian power sector has come a long way in past decade transforming from a power deficit to a power surplus nation. During the period from 2014-15, we have added 97501.2 MW in conventional power sector and 96282.9 MW of renewable energy capacity in the country. The details of the State/UT-wise capacity addition in conventional sector from 2014-15 to 2023-24 (till October, 2023) including Uttarakhand and Andhra Pradesh is given at Annexure-I.**

**(b) : The steady growth in demand has contributed to the growth of India's power generation capacity. This increase in demand is because of two factors :- (1) India has been one of the world's fastest growing major economies in recent years and (2) 2.86 Crores households have been provided new electricity connections. To meet the demand, we have added 193794 MW generation capacity in the past nine (09) years transforming our country to power sufficiency. The State/UT-wise details regarding quantum of power generated in the country annually during the last five years and current year 2023-24(till October, 2023) is given at Annexure-II.**

**(c): The details of under construction projects located in the states of Andhra Pradesh and Uttarakhand is given at Annexure III. These projects will enhance power supply capacity in the States of Uttarakhand and Andhra Pradesh.**

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## ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1915  
ANSWERED IN THE LOK SABHA ON 14.12.2023

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The details of the State/UT-wise capacity addition from 2014-15 to 2023-24 (till October, 2023) including  
Uttarakhand and Andhra Pradesh

(All figures in MW)

STATE	TYPE	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Grand Total
ANDHRA PRADESH	COAL	2410	1700	1320	600					800		6830
	GAS		1510									1510
	HYDRO			50	60							110
ARUNACHAL PRADESH	HYDRO					110	300	300				710
Assam	COAL		250	250		250						750
	GAS			62.25		69.755		36.15				168.155
BIHAR	COAL	855	250	195	750	250	660	660	1570		660	5850
CHHATTISGARH	COAL	3245	2305	850	2660	360		800				10220
	COAL	250	250	500				800				1800
GUJARAT	GAS	776.1										776.1
	NUCLEAR										700	700
HIMACHAL PRADESH	HYDRO	736.01	400	219	112			111	280			1858.01
JHARKHAND	COAL		500							660		1160
KARNATAKA	COAL		1500	2400	800							4700
MADHYA PRADESH	COAL	3900	2300			2720	1365	800				11085
MAHARASHTRA	COAL	2930	2070	1590	1620	660						8870
	GAS			388								388
MEGHALAYA	HYDRO				40							40
MIZORAM	HYDRO				60							60
ODISHA	COAL	1200	350				2120		800			4470
PUNJAB	COAL	1360	1860									3220
RAJASTHAN	COAL	850	600		660	660	660		660			4090
	GAS	50										50
SIKKIM	HYDRO		96	1200	193				113			1602
TAMIL NADU	COAL	1350	1700	600			500	500	525			5175
	NUCLEAR	1000		1000								2000
TELANGANA	COAL		1200	600		800		810	270		800	4480
	HYDRO		160	110		30						300
TRIPURA	GAS	454.2	35.6	25.5								515.3
UTTAR PRADESH	COAL		2980	1820	1320		660	1320	660			8760
UTTARAKHAND	GAS			450							214	664
	HYDRO		330					99		120		549
WEST BENGAL	COAL	1200	1100	500	300	12						3112
	HYDRO		80	80								160
Jammu & Kashmir	HYDRO		450		330							780
<b>Grand Total</b>		<b>22566.31</b>	<b>23976.6</b>	<b>14209.75</b>	<b>9505</b>	<b>5921.755</b>	<b>7065</b>	<b>5436.15</b>	<b>4878</b>	<b>1580</b>	<b>2374</b>	<b>97512.565</b>

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**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION  
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The State/UT-wise details regarding quantum of power generated in the country annually during the last five years and current year 2023-24(till October, 2023)

(All figures in MUs)

NAME OF STATE /UT	GENERATION in MUs					
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24 (till October, 2023)
Chandigarh	13.51	13.33	10.16	14.19	12.61	8.73
Delhi	7423.68	6438.78	5730.71	5407.30	4314.50	2804.93
Haryana	26097.79	18050.51	15657.13	24103.15	33559.00	18342.80
Himachal Pradesh	38196.48	43002.12	39633.77	38503.40	41579.93	31308.07
Jammu and Kashmir	16699.27	18537.25	17441.97	17489.83	17170.62	13209.89
Ladakh	154.51	270.28	376.21	405.98	402.78	307.32
Punjab	33144.86	28747.68	25606.29	31127.70	40075.40	26014.77
Rajasthan	68841.66	70291.34	70607.33	83997.41	105963.47	68911.79
Uttar Pradesh	128467.21	129323.42	132668.65	143159.29	163447.06	99968.15
Uttarakhand	16100.33	17735.27	15551.31	16216.77	16369.49	11157.01
Chhattisgarh	116659.43	119336.93	136667.58	143213.21	144839.62	95742.91
Gujarat	110557.53	124666.25	121859.71	87886.78	95017.30	80347.46
Madhya Pradesh	129934.92	129397.90	138084.97	143037.90	152020.26	94862.33
Maharashtra	151998.66	145404.00	131805.01	153065.31	158993.39	98334.71
Dadra and Nagar Haveli *	5.76	6.19	11.96	49.16	30.62	16.15
Daman & Diu*	18.94	21.83	40.04	47.67		
Goa	0.00	0.82	1.46	16.82	19.96	40.77
Andhra Pradesh	77694.33	76936.32	66882.90	74197.52	81701.42	54718.62
Telangana	56802.95	51923.14	46475.88	59279.66	63044.77	39944.96
Karnataka	28982.63	31114.50	34587.96	37951.72	37564.56	21690.70
Kerala	770.32	804.74	1092.12	1614.62	1961.28	1406.02
Tamil Nadu	17128.37	20019.68	21891.20	24312.41	27859.52	21597.02
Lakshadweep	83779.62	83498.68	70077.93	82020.39	89061.67	53845.69
Puducherry	49965.61	51858.96	48412.53	57188.93	56760.51	32898.77
Andaman Nicobar	151.16	113.49	157.99	152.01	252.45	215.43
Bihar	32658.66	35719.44	34092.75	44180.23	55489.06	34643.91
Jharkhand	27003.35	26247.21	27469.53	28915.39	30797.95	20728.50
Orissa	47477.80	49037.17	62944.21	66473.02	71529.15	41951.26
Sikkim	9050.18	11087.98	10935.46	11506.25	11709.14	8318.54
West Bengal	78438.25	75786.81	77478.05	88251.70	92995.30	55283.17
Arunachal Pradesh	1400.77	1788.70	3453.44	4163.41	4845.79	3329.00
Assam	7245.71	8089.14	6020.52	8398.89	9153.69	5760.77
Manipur	604.49	370.79	629.33	462.20	486.77	189.34
Meghalaya	980.04	1081.02	1208.78	886.50	1052.41	669.25
Mizoram	208.52	227.02	192.37	165.53	266.40	123.35
Nagaland	318.93	256.72	273.63	164.02	289.32	205.18
Tripura	6712.93	6121.04	7058.83	6339.87	7086.06	3897.81
Bhutan (IMP)	4406.62	5794.48	8765.50	7493.20	6742.40	4644.00
<b>All India Grand Total</b>	<b>1376095.79</b>	<b>1389120.93</b>	<b>1381855.15</b>	<b>1491859.37</b>	<b>1624465.61</b>	<b>1047439.04</b>

\* From 2022-23 UTs Dadra & Nagar Haveli and Daman & Diu were merged.

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**ANNEXURE-III**

**ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1915 ANSWERED IN THE LOK SABHA ON 14.12.2023**

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The details of under construction projects located in the states of Andhra Pradesh and Uttarakhand

(All figures in MW)

List of Hydro Electric Projects (above 25 MW) under implementation in Uttarakhand and Andhra Pradesh						
Sl. No.	Name of Scheme (Executing Agency)	Sector	District	I.C. ( No. X MW.)	Cap. Under Execution (MW)	River/Basin
<b>Andhra Pradesh</b>						
1	Polavaram (APGENCO/ Irrigation Dept., A.P.)	State	East & West Godavari	12x80	960.00	Godavari/EFR
2	Lower Sileru Extension (APGENCO)	State	Alluri Sitharamaraju	2x115	230.00	Sileru/Godavari
3	Pinnapuram (Greenko AP01 IREP Private Limited)	Private	Kurnool	4x240 + 2x120	1200.00	Pennar Basin/EFR
Sub-total: Andhra Pradesh					2390.00	
<b>Uttarakhand</b>						
4	Vishnugad Pipalkoti (THDC)	Central	Chamoli	4x111	444.00	Alaknanda/Ganga
5	Tapovan Vishnugad (NTPC)	Central	Chamoli	4x130	520.00	Dhauliganga / Alaknanda & /Ganga
6	Tehri PSS (THDC)	Central	Tehri Garhwal	4x250	1000.00	Bhilangna/Bhagirathi/ Ganga
7	Lakhwar Multipurpose Project (UJVNL)	State	Dehradun & Tehri Garhwal	3x100	300.00	Yamuna
Sub-total: Uttarakhand					2264.00	

**List of Thermal Power Plants under implementation in Uttarakhand and Andhra Pradesh**

Sl. No.	Project Name	Developer / Imp. Agency	State	Unit	Capacity (MW)
1	Dr. Narla Tata Rao TPS, St-V	APGENCO	Andhra Pradesh	U-8	800

**List of renewable power projects under construction in Andhra Pradesh and Uttarakhand.**

Source	Capacity under construction	
	Andhra Pradesh	Uttarakhand
Solar	2800 MW	160 MW
Small Hydro Power Projects	1.2 MW	65.55 MW
Bio-Mass	8 MW	2.5 MW
Waste to Energy	4.42 MW	20.17 MW

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