

**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.700  
ANSWERED ON 21.07.2022**

**IMPACT OF COAL SHORTAGE ON POWER PLANTS**

**700. SHRI DAYANIDHI MARAN:**

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

- (a) whether the Government has prepared any report or analysis on the impact of coal shortage on the power crisis being faced by many States across the country;**
- (b) if so, the details thereof along with the steps being taken to increase the availability of domestic coal;**
- (c) whether media reports that coal inventories at power plants declined significantly since April were true and if so, the current details of the actual and normative stocks of the different power plants in the country;**
- (d) whether media reports that authorities considered cutting domestic coal supply to power plants that were reluctant to import coal at elevated prices were true and if so, the details thereof; and**
- (e) the details of the States which were most affected by the coal shortage and power crisis along with the steps being taken by the Government to provide relief to them?**

**A N S W E R**

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

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

**(a) to (e) : The coal stock available in the power plants is monitored by Central Electricity Authority (CEA) on daily basis. As on 31.03.2022, the domestic coal stock was 24.18 Million Tonnes (MT) which depleted to 19.80 MT as on 30.04.2022 but increased during the months of May and June, 2022 and has now reached 23.126 MT as on 14.07.2022, which is about 40% of the normative stock requirement of 56.6 MT during the month of July, 2022. As on 14.07.2022, the coal stock is sufficient for an average of 10 days at a requirement of 85% PLF. Plant-wise coal stock position along with their normative requirement is at Annexure-I.**

**Ministry of Power vide letter dated 18.05.2022 to Gencos stated that domestic coal would be allocated proportionately to all Gencos based on likely availability of domestic coal from Coal India Limited (CIL) /Singhareni Collieries Company Limited (SCCL) from 01.06.2022 and the shortfall is to be met from blending of the imported coal.**

**.....2.**

**Government has constituted a sub-group comprising of officers from Ministry of Power, Coal & Railways to take decision on supply of coal from CIL. Sub-Group takes into account factors like progress of lifting of coal by GENCOs from CIL subsidiaries, captive mines, blending percentage for allocating coal supplies.**

**The comparative details of State/UT-wise actual power supply position in the country during the months of April, 2022 to June, 2022 vis-a-vis the corresponding months of 2021, are given at Annexure-II. During the period April, 2022 to June, 2022, All India average gap between the Energy Requirement and Energy Supplied was only 1%. Gap between energy demand and supply is generally on account of factors other than inadequacy of power availability in the country e.g. constraints in distribution network, financial constraints, commercial reasons, forced outage of generating units etc.**

**Government has taken the following steps to increase the availability of domestic coal:-**

- (i) An Inter-Ministerial Sub Group comprising of representatives from Ministry of Power, Ministry of Coal, Ministry of Railways, Central Electricity Authority (CEA), Coal India Limited (CIL) and Singareni Collieries Company Limited (SCCL) meet regularly to take various operational decisions to enhance supply of coal to thermal power plants as well as for meeting any contingent situations relating to Power Sector including to alleviate critical coal stock position in power plants.**
- (ii) As per the decision taken in the meeting held under the Chairmanship of Cabinet Secretary on Augmentation of coal supply and power generation capacity, a Secretary level Inter Ministerial committee has been set up to ensure that the medium and long term requirements of coal are met. The IMC comprises of Chairman Railway Board, Secretary, Ministry of Coal, Secretary, Ministry of Environment, Forest and Climate Change as members and Secretary, Ministry of Power as convener.**
- (iii) CIL has allocated about 16 MT coal on Road cum Rail (RCR) mode to TPPs.**
- (iv) Railways has issued order to give preference to Power Sector for loading of coal from Good Shed Siding (GSS) and Private Washery.**

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## ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO. 700 ANSWERED IN THE LOK SABHA ON 21.07.2022

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## DAILY COAL STOCK REPORT

As on 14.07.2022

Region/State	Mode of Transport	Name of Thermal Power Station	Sector	Utility	Capacity (MW)	Normative Stock Reqd. (Days)	Requirement for the day @85% PLF (In '000 Tonnes')	Normative Stock Required (In '000 Tonnes')	Actual Stock			% of Actual Stock vis-à-vis Normative Stock
									Indigenous	Import	Total	
									In '000 Tonnes'			
1	2	3	4	6	7	10	11	12	13	14	15	16
<b>A. PLANTS HAVING COAL LINKAGES, NO LINKAGE AND COAL BLOCK</b>												
<b>State</b>												
<b>Haryana</b>												
1	RAIL	PANIPAT TPS	S	HPGCL	710	22.0	10.2	224.6	44.8	0.0	44.8	20%
2	RAIL	RAJIV GANDHI TPS	S	HPGCL	1200	22.0	17.1	376.1	104.7	0.0	104.7	28%
3	RAIL	YAMUNA NAGAR TPS	S	HPGCL	600	22.0	8.7	190.4	44.6	4.0	48.6	26%
		HPGCL- Total			2510	22.0	36.0	791.2	194.1	4.0	198.1	25%
<b>Punjab</b>												
4	RAIL-1500	GH TPS (LEH.MOH.)	S	PSPCL	920	22.0	12.6	276.4	284.3	13.3	297.6	108%
5	RAIL	ROPAR TPS	S	PSPCL	840	22.0	11.8	258.8	399.6	18.0	417.6	161%
		PSPCL- Total			1760	22.0	24.3	535.2	684.0	31.2	715.2	134%
<b>Rajasthan</b>												
6	RAIL	CHHABRA-I PH-1 TPP	S	RRVUNL	500	22.0	6.6	145.9	21.2	0.0	21.2	15%
7	RAIL	KOTA TPS	S	RRVUNL	1240	22.0	18.0	395.5	236.5	0.0	236.5	60%
8	RAIL-1500	SURATGARH TPS	S	RRVUNL	1500	22.0	18.6	409.8	337.4	0.0	337.4	82%
9	RAIL	KALISINDH TPS	S	RRVUNL	1200	22.0	15.0	329.3	150.8	0.0	150.8	46%
10	RAIL-1500	SURATGARH STPS	S	RRVUNL	1320	22.0	18.0	396.9	81.9	17.3	99.2	25%
11	RAIL	CHHABRA-I PH-2 TPP	S	RRVUNL	500	22.0	6.3	139.1	129.3	0.0	129.3	93%
12	RAIL	CHHABRA-II TPP	S	RRVUNL	1320	22.0	16.7	367.3	98.8	26.6	125.4	34%
		RRVUNL-Total			7580	22.0	99.3	2183.8	1055.9	43.9	1099.9	50%
<b>Uttar Pradesh</b>												
13	PITHEAD	ANPARA TPS	S	UPRVUNL	2630	14.0	35.1	491.5	259.1	0.0	259.1	53%
14	RAIL	HARDUAGANJ TPS	S	UPRVUNL	1265	22.0	18.6	409.8	25.6	0.0	25.6	6%
15	RAIL	OBRA TPS	S	UPRVUNL	1094	22.0	16.6	365.5	64.7	0.0	64.7	18%
16	RAIL	PARICHHA TPS	S	UPRVUNL	1140	22.0	16.4	360.4	14.2	0.0	14.2	4%
		UPRVUNL- Total			6129	18.6	86.7	1627.3	363.5	0.0	363.5	22%
<b>Chhattisgarh</b>												
17	RAIL	DSPM TPS	S	CSPGCL	500	22.0	7.3	161.1	51.2	0.0	51.2	32%
18	PITHEAD	KORBA-WEST TPS	S	CSPGCL	1340	14.0	20.9	293.1	170.3	0.0	170.3	58%
19	RAIL	MARWA TPS	S	CSPGCL	1000	22.0	15.1	332.3	134.4	0.0	134.4	40%
		CSPGCL- Total			2840	18.2	43.4	786.4	355.8	0.0	355.8	45%
<b>Gujarat</b>												
20	RAIL-1500	GANDHI NAGAR TPS	S	GSECL	630	22.0	8.6	188.9	63.0	6.1	69.1	37%
21	RAIL	UKAI TPS	S	GSECL	1110	22.0	15.5	340.2	97.8	10.8	108.6	32%
22	RAIL-1500	WANAKBORI TPS	S	GSECL	2270	22.0	31.6	695.2	286.4	22.9	309.3	44%
		GSECL- Total			4010	22.0	55.6	1224.2	447.2	39.7	486.9	40%
<b>Madhya Pradesh</b>												
23	PITHEAD	AMARKANTAK EXT TPS	S	MPPGCL	210	14.0	2.8	39.1	14.7	0.0	14.7	38%
24	RAIL	SANJAY GANDHI TPS	S	MPPGCL	1340	22.0	21.1	463.3	117.2	0.0	117.2	25%
25	RAIL	SATPURA TPS	S	MPPGCL	1330	22.0	17.7	390.1	196.4	0.0	196.4	50%
26	RAIL	SHREE SINGAJI TPP	S	MPPGCL	2520	22.0	37.6	826.6	136.6	0.0	136.6	17%
		MPPGCL -Total			5400	21.7	79.2	1719.0	464.8	0.0	464.8	27%
<b>Maharashtra</b>												
27	RAIL	BHUSAWAL TPS	S	MAHAGENCO	1210	22.0	19.0	418.4	33.2	27.0	60.2	11%
28	RAIL	CHANDRAPUR (MAHARASHTRA) STPS	S	MAHAGENCO	2920	22.0	46.9	1031.8	349.0	0.0	349.0	34%
29	RAIL	KHAPARKHEDA TPS	S	MAHAGENCO	1340	22.0	23.8	522.6	150.6	25.1	175.7	34%

30	RAIL	KORADI TPS	S	MAHAGENCO	2190	22.0	32.4	712.8	111.8	29.2	141.0	20%
31	RAIL	NASIK TPS	S	MAHAGENCO	630	22.0	10.7	235.6	128.6	9.6	138.2	59%
32	RAIL	PARAS TPS	S	MAHAGENCO	500	22.0	7.7	170.2	80.0	0.0	80.0	47%
33	RAIL	PARLI TPS	S	MAHAGENCO	750	22.0	10.2	224.4	72.9	0.0	72.9	32%
<b>MAHAGENCO- Total</b>					<b>9540</b>	<b>22.0</b>	<b>150.7</b>	<b>3315.7</b>	<b>926.1</b>	<b>90.8</b>	<b>1016.9</b>	<b>31%</b>
<b>Andhra Pradesh</b>												
34	RAIL-SEA	DAMODARAM SANJEEVAIAH TPS	S	APGENCO	1600	22.0	20.9	459.8	321.9	0.0	321.9	70%
35	RAIL	Dr. N.TATA RAO TPS	S	APGENCO	1760	22.0	28.6	628.4	76.6	0.0	76.6	12%
36	RAIL	RAYALASEEMA TPS	S	APGENCO	1650	22.0	25.3	555.5	39.0	0.0	39.0	7%
<b>APGENCO &amp; APPDCL - Total</b>					<b>5010</b>	<b>22.0</b>	<b>74.7</b>	<b>1643.7</b>	<b>437.6</b>	<b>0.0</b>	<b>437.6</b>	<b>27%</b>
<b>Karnataka</b>												
37	RAIL	BELLARY TPS	S	KPCL	1700	22.0	22.9	503.7	153.5	0.0	153.5	30%
38	RAIL	RAICHUR TPS	S	KPCL	1720	22.0	24.8	545.8	250.7	0.0	250.7	46%
39	RAIL	YERMARUS TPP	S	KPCL	1600	22.0	19.9	438.8	42.1	0.0	42.1	10%
<b>KPCL- Total</b>					<b>5020</b>	<b>22.0</b>	<b>67.7</b>	<b>1488.4</b>	<b>446.2</b>	<b>0.0</b>	<b>446.2</b>	<b>30%</b>
<b>Tamil Nadu</b>												
40	RAIL-SEA-1500	METTUR TPS	S	TANGEDCO	840	22.0	13.9	305.0	197.7	0.0	197.7	65%
41	RAIL-SEA-1500	METTUR TPS - II	S	TANGEDCO	600	22.0	9.6	210.8	47.6	28.5	76.1	32%
42	RAIL-SEA	NORTH CHENNAI TPS	S	TANGEDCO	1830	22.0	35.7	785.6	167.9	157.9	325.7	31%
43	RAIL-SEA-1500	TUTICORIN TPS	S	TANGEDCO	1050	22.0	19.9	436.7	189.4	0.0	189.4	43%
<b>TANGEDCO- Total</b>					<b>4320</b>	<b>22.0</b>	<b>79.0</b>	<b>1738.1</b>	<b>602.5</b>	<b>186.4</b>	<b>788.9</b>	<b>45%</b>
<b>Telangana</b>												
44	RAIL	BHADRADRI TPP	S	TSGENCO	1080	22.0	13.2	290.8	140.5	0.0	140.5	48%
45	ROAD	KAKATIYA TPS	S	TSGENCO	1100	22.0	13.0	285.0	313.2	0.0	313.2	110%
46	RAIL	KOTHAGUDEM TPS (NEW)	S	TSGENCO	1000	22.0	13.5	296.4	300.7	0.0	300.7	101%
47	RAIL	KOTHAGUDEM TPS (STAGE-7)	S	TSGENCO	800	22.0	8.1	178.0	148.8	0.0	148.8	84%
48	ROAD	RAMAGUNDEM-B TPS	S	TSGENCO	62.5	22.0	1.0	21.2	14.4	0.0	14.4	68%
49	RAIL	SINGARENI TPP	S	TSGENCO	1200	22.0	14.2	311.6	56.7	0.0	56.7	18%
<b>TSGENCO- Total</b>					<b>5242.5</b>	<b>22.0</b>	<b>62.9</b>	<b>1383.0</b>	<b>974.2</b>	<b>0.0</b>	<b>974.2</b>	<b>70%</b>
<b>Jharkhand</b>												
50	RAIL	TENUGHAT TPS	S	TVNL	420	22.0	6.2	135.9	27.5	0.0	27.5	20%
<b>TVNL - Total</b>					<b>420</b>	<b>22.0</b>	<b>6.2</b>	<b>135.9</b>	<b>27.5</b>	<b>0.0</b>	<b>27.5</b>	<b>20%</b>
<b>Odisha</b>												
51	PITHEAD	IB VALLEY TPS	S	OPGCL	1740	14.0	27.9	390.5	255.2	0.0	255.2	65%
<b>OPGCL- Total</b>					<b>1740</b>	<b>14.0</b>	<b>27.9</b>	<b>390.5</b>	<b>255.2</b>	<b>0.0</b>	<b>255.2</b>	<b>65%</b>
<b>West Bengal</b>												
52	RAIL	BAKRESWAR TPS	S	WBPDCCL	1050	22.0	13.3	291.9	50.6	0.0	50.6	17%
53	RAIL	BANDEL TPS	S	WBPDCCL	270	22.0	4.4	96.7	5.1	0.0	5.1	5%
54	RAIL	D.P.L. TPS	S	WBPDCCL	550	22.0	7.8	170.6	21.2	0.0	21.2	12%
55	RAIL	KOLAGHAT TPS	S	WBPDCCL	840	22.0	13.6	299.2	16.3	0.0	16.3	5%
56	RAIL	SAGARDIGHI TPS	S	WBPDCCL	1600	22.0	20.0	440.9	55.6	0.0	55.6	13%
57	RAIL	SANTALDIH TPS	S	WBPDCCL	500	22.0	7.3	159.7	22.2	0.0	22.2	14%
<b>WBPDCCL- Total</b>					<b>4810</b>	<b>22.0</b>	<b>66.3</b>	<b>1459.0</b>	<b>171.1</b>	<b>0.0</b>	<b>171.1</b>	<b>12%</b>

<b>NTPC</b>												
58	RAIL	DADRI (NCTPP)	C	NTPC	1820	22.0	25.0	548.9	137.5	108.8	246.3	36%
59	PITHEAD	RIHAND STPS	C	NTPC	3000	14.0	37.0	517.6	929.2	0.0	929.2	180%
60	PITHEAD	SINGRAULI STPS	C	NTPC	2000	14.0	26.7	374.0	491.4	0.0	491.4	131%
61	RAIL	TANDA TPS	C	NTPC	1760	22.0	24.7	543.2	257.4	2.7	260.1	48%
62	RAIL	UNCHAHAHAR TPS	C	NTPC	1550	22.0	21.3	467.7	78.5	70.1	148.6	24%
63	PITHEAD	KORBA STPS	C	NTPC	2600	14.0	35.3	493.8	489.2	0.0	489.2	99%
64	RAIL	LARA TPP	C	NTPC	1600	22.0	22.8	502.0	274.6	3.7	278.3	55%
65	PITHEAD	SIPAT STPS	C	NTPC	2980	14.0	40.8	570.8	391.6	20.1	411.8	72%
66	RAIL	GADARWARA TPP	C	NTPC	1600	22.0	21.0	462.6	216.1	74.0	290.1	63%
67	RAIL	KHARGONE STPP	C	NTPC	1320	22.0	16.3	359.1	132.3	74.3	206.6	53%
68	PITHEAD	VINDHYACHAL STPS	C	NTPC	4760	14.0	65.4	915.9	1275.7	0.0	1275.7	139%
69	RAIL	MAUDA TPS	C	NTPC	2320	22.0	33.6	739.4	255.6	20.6	276.2	37%
70	RAIL-1500	SOLAPUR STPS	C	NTPC	1320	22.0	16.8	369.8	189.9	92.5	282.4	73%
71	RAIL	SIMHADRI	C	NTPC	2000	22.0	31.5	693.5	445.6	220.0	665.7	92%
72	RAIL	KUDGI STPP	C	NTPC	2400	22.0	29.1	639.5	146.7	72.9	219.5	33%
73	PITHEAD	RAMAGUNDEM STPS	C	NTPC	2600	14.0	32.9	459.9	107.4	70.1	177.5	33%
74	RAIL	BARAUNI TPS	C	NTPC	710	22.0	9.2	201.6	60.4	0.0	60.4	30%
75	RAIL	BARH STPS	C	NTPC	1980	22.0	26.5	582.9	184.6	37.5	222.2	38%
76	PITHEAD	KAHALGAON TPS	C	NTPC	2340	14.0	35.7	499.3	304.4	7.8	312.2	63%
77	PITHEAD	DARLIPALI STPS	C	NTPC	1600	14.0	22.8	319.9	624.0	0.0	624.0	195%
78	PITHEAD	TALCHER STPS	C	NTPC	3000	14.0	47.2	660.6	653.0	33.7	686.7	104%
79	PITHEAD	FARAKKA STPS	C	NTPC	2100	14.0	28.0	391.8	365.9	17.1	383.0	98%
80	RAIL	BONGAIGAON TPP	C	NTPC	750	22.0	9.1	199.6	75.2	14.5	89.7	45%
<b>Total-NTPC</b>					<b>48110</b>	<b>17.5</b>	<b>658.5</b>	<b>11513.4</b>	<b>8086.4</b>	<b>940.3</b>	<b>9026.6</b>	<b>78%</b>
<b>NTPC JV</b>												
81	RAIL	INDIRA GANDHI STPP	JV	NTPC-JV	1500	22.0	20.3	445.8	269.8	93.8	363.6	82%
82	RAIL	MEJA STPP	JV	NTPC-JV	1320	22.0	18.0	395.2	90.7	70.2	160.9	33%
83	RAIL	BHILAI TPS	JV	NTPC-JV	500	22.0	7.7	169.7	190.5	40.1	230.6	136%
84	RAIL-SEA	VALLUR TPP	JV	NTPC-JV	1500	22.0	23.1	508.0	324.0	0.0	324.0	64%
85	RAIL	MUZAFFARPUR TPS	JV	NTPC-JV	390	22.0	5.8	126.9	82.3	0.0	82.3	65%
86	RAIL	NABINAGAR STPP	JV	NTPC-JV	1980	22.0	24.6	540.5	238.5	10.0	248.5	46%
87	RAIL	NABINAGAR TPP	JV	NTPC-JV	1000	22.0	14.2	311.4	60.6	6.6	67.2	22%
<b>Total-NTPC JV</b>					<b>8190</b>	<b>22.0</b>	<b>113.5</b>	<b>2497.4</b>	<b>1256.5</b>	<b>220.7</b>	<b>1477.2</b>	<b>59%</b>
<b>Total -NTPC &amp; NTPC-JV</b>					<b>56300</b>	<b>18.2</b>	<b>772.0</b>	<b>14010.8</b>	<b>9342.8</b>	<b>1161.0</b>	<b>10503.8</b>	<b>75%</b>
<b>DVC</b>												
88	RAIL	BOKARO TPS `A` EXP	C	DVC	500	22.0	5.9	129.5	35.7	4.1	39.8	31%
89	RAIL	CHANDRAPURA(DVC) TPS	C	DVC	500	22.0	6.3	138.3	84.9	66.4	151.3	88%
90	RAIL	KODARMA TPP	C	DVC	1000	22.0	12.7	278.4	43.7	47.1	90.8	22%
91	RAIL	DURGAPUR STEEL TPS	C	DVC	1000	22.0	13.7	301.4	96.9	51.8	148.7	46%
92	RAIL	DURGAPUR TPS	C	DVC	210	22.0	5.0	110.0	149.8	0.0	149.8	136%
93	RAIL	MEJIA TPS	C	DVC	2340	22.0	32.2	709.0	260.3	40.8	301.0	42%
94	RAIL	RAGHUNATHPUR TPP	C	DVC	1200	22.0	16.0	352.5	188.0	23.6	211.6	60%
<b>Total-DVC</b>					<b>6750</b>	<b>22.0</b>	<b>91.8</b>	<b>2019.0</b>	<b>859.1</b>	<b>233.8</b>	<b>1092.9</b>	<b>54%</b>

95	RAIL-SEA-1500	NTPL TUTICORIN TPP	JV	IPP	1000	22.0	13.7	300.7	167.7	41.1	208.9	69%
		Total-NLC-TN-JV			1000	22.0	13.7	300.7	167.7	41.1	208.9	69%
<b>IPP</b>												
96	RAIL	MAHATMA GANDHI TPS	P	IPP	1320	22.0	16.4	360.0	79.3	16.1	95.4	26%
97	RAIL-1500	GOINDWAL SAHIB TPP	P	IPP	540	22.0	7.8	171.7	11.2	0.0	11.2	7%
98	RAIL	RAJPURA TPP	P	IPP	1400	22.0	16.1	353.8	391.7	13.4	405.1	114%
99	RAIL-1500	TALWANDI SABO TPP	P	IPP	1980	22.0	27.3	601.3	191.8	2.1	193.9	32%
100	RAIL	KAWAI TPS	P	IPP	1320	22.0	15.7	344.7	31.1	78.0	109.0	13%
101	PITHEAD	ANPARA C TPS	P	IPP	1200	14.0	15.6	218.4	22.5	0.0	22.5	10%
102	RAIL	BARKHERA TPS	P	IPP	90	22.0	1.5	32.5	6.2	0.0	6.2	19%
103	RAIL	KHAMBARKHERA TPS	P	IPP	90	22.0	1.5	32.3	4.5	0.0	4.5	14%
104	RAIL	KUNDARKI TPS	P	IPP	90	22.0	1.4	30.9	3.5	0.0	3.5	11%
105	RAIL	LALITPUR TPS	P	IPP	1980	22.0	24.8	546.1	65.8	0.0	65.8	12%
106	RAIL	MAQSOODPUR TPS	P	IPP	90	22.0	1.5	32.1	4.2	0.0	4.2	13%
107	RAIL	PRAYAGRAJ TPP	P	IPP	1980	22.0	24.2	533.3	270.5	0.0	270.5	51%
108	RAIL	ROSA TPP Ph-I	P	IPP	1200	22.0	15.5	340.6	13.3	0.0	13.3	4%
109	RAIL	UTRAULA TPS	P	IPP	90	22.0	1.4	31.8	4.9	0.0	4.9	15%
110	RAIL	AKALTARA TPS	P	IPP	1800	22.0	23.8	522.9	69.3	0.0	69.3	13%
111	RAIL	BALCO TPS	P	IPP	600	22.0	9.0	198.3	50.7	1.0	51.7	26%
112	ROAD	BANDAKHAR TPP	P	IPP	300	22.0	4.3	94.6	8.5	0.0	8.5	9%
113	RAIL	BARADARHA TPS	P	IPP	1200	22.0	18.4	403.8	98.5	11.2	109.7	27%
114	RAIL	BINJKOTE TPP	P	IPP	600	22.0	9.1	201.1	62.9	0.0	62.9	31%
115	ROAD	NAWAPARA TPP	P	IPP	600	22.0	9.7	213.5	92.5	0.0	92.5	43%
116	RAIL	PATHADI TPP	P	IPP	600	22.0	8.4	184.6	27.0	0.0	27.0	15%
117	ROAD	TAMNAR TPP	P	IPP	2400	22.0	40.1	883.2	187.8	0.0	187.8	21%
118	RAIL	UCHPINDA TPP	P	IPP	1440	22.0	22.5	495.2	54.2	0.0	54.2	11%
119	RAIL	SABARMATI (D-F STATIONS)	P	IPP	362	22.0	4.2	91.8	14.4	71.5	86.0	22%
120	RAIL	ANUPPUR TPP	P	IPP	1200	22.0	17.2	378.9	118.4	27.2	145.6	38%
121	RAIL	BINA TPS	P	IPP	500	22.0	7.4	162.0	25.5	0.0	25.5	16%
122	RAIL	SEIONI TPP	P	IPP	600	22.0	7.6	167.0	46.0	0.0	46.0	28%
123	RAIL	AMRAVATI TPS	P	IPP	1350	22.0	17.9	394.3	46.0	0.0	46.0	12%
124	RAIL	BUTIBORI TPP	P	IPP	600	22.0	8.2	180.4	59.7	0.0	59.7	33%
125	RAIL	DAHANU TPS	P	IPP	500	22.0	6.1	134.8	6.4	4.6	11.0	7%
126	RAIL	DHARIWAL TPP	P	IPP	600	22.0	8.3	183.6	7.3	17.4	24.7	6%
127	RAIL	DISHERGARH TPP	P	IPP	12	22.0	0.2	3.6	0.8	0.0	0.8	22%
128	RAIL	GMR WARORA TPS	P	IPP	600	22.0	8.2	179.5	17.1	0.0	17.1	10%
129	RAIL	TIRORA TPS	P	IPP	3300	22.0	44.1	970.3	107.3	68.6	175.9	16%
130	ROAD	WARDHA WARORA TPP	P	IPP	540	22.0	7.1	156.6	97.0	0.0	97.0	62%
131	RAIL-SEA	PAINAMPURAM TPP	P	IPP	1320	22.0	16.3	358.8	64.8	343.3	408.1	26%
132	RAIL-SEA	SGPL TPP	P	IPP	1320	22.0	14.8	325.0	38.5	434.0	472.5	17%
133	RAIL	VIZAG TPP	P	IPP	1040	22.0	15.8	347.9	43.1	0.0	43.1	12%
134	RAIL	JOJOBERA TPS	P	IPP	240	22.0	3.3	72.3	58.5	0.0	58.5	81%
135	RAIL	MAHADEV PRASAD STPP	P	IPP	540	22.0	7.5	164.8	50.0	0.0	50.0	30%
136	RAIL	MAITHON RB TPP	P	IPP	1050	22.0	13.1	288.0	298.9	0.0	298.9	104%
137	ROAD	DERANG TPP	P	IPP	1200	22.0	16.8	368.8	1210.9	0.0	1210.9	328%
138	RAIL	KAMALANGA TPS	P	IPP	1050	22.0	15.5	341.5	106.3	0.0	106.3	31%
139	RAIL	VEDANTA TPP	P	IPP	600	22.0	8.7	191.1	39.9	0.0	39.9	21%
140	RAIL	BUDGE BUDGE TPS	P	IPP	750	22.0	8.9	195.9	125.8	0.0	125.8	64%
141	RAIL	HALDIA TPP	P	IPP	600	22.0	8.4	185.0	48.4	0.0	48.4	26%

142	RAIL	HIRANMAYE TPP	P	IPP	300	22.0	4.7	104.3	6.2	0.0	6.2	6%
143	RAIL	SOUTHERN REPL. TPS	P	IPP	135	22.0	2.2	48.5	16.4	0.0	16.4	34%
144	RAIL	AVANTHA BHANDAR	P	IPP	600	22.0	9.1	200.8	89.8	0.0	89.8	45%
145	ROAD	OP JINDAL TPS	P	IPP	1000	22.0	16.2	356.0	105.1	0.0	105.1	30%
146	RAIL	RAIKHEDA TPP	P	IPP	1370	22.0	19.6	430.6	42.1	12.9	55.0	13%
147	ROAD	MAHAN TPP	P	IPP	1200	22.0	17.0	373.6	19.2	10.5	29.8	7%
148	RAIL	NIGRI TPP	P	IPP	1320	22.0	16.0	351.2	222.3	0.0	222.3	63%
149	PITHEAD	SASAN UMTTP	P	IPP	3960	14.0	45.3	633.6	466.8	0.0	466.8	74%
		Total -IPP			52669	21.2	711.6	15167.3	5350.3	1111.9	6462.2	43%
		Total-A			183051	20.3	2549	51919	23126	2944	26070	50%

#### B. PLANTS DESIGNED ON IMPORTED COAL

150	SEA	SIKKA REP. TPS	S	GSECL	500	22.0	4.9	108.8	0.0	81.5	81.5	75%
151	SEA	MUNDRA TPS-I & II	P	IPP	2640	22.0	29.1	640.8	0.0	153.8	153.8	24%
152	SEA	MUNDRA TPS-III	P	IPP	1980	22.0	20.2	444.3	0.0	45.0	45.0	10%
153	SEA	MUNDRA UMTTP	P	IPP	4000	22.0	32.6	718.0	0.0	946.6	946.6	132%
154	SEA	SALAYA TPP	P	IPP	1200	22.0	12.2	269.3	0.0	0.0	0.0	0%
155	SEA	JSW RATNAGIRI TPP	P	IPP	300	22.0	3.1	67.3	0.0	53.9	53.9	80%
156	SEA	TROMBAY TPS	P	IPP	750	22.0	7.8	170.8	0.0	246.4	246.4	144%
157	SEA	SIMHAPURI TPS	P	IPP	600	22.0	6.1	134.6	0.0	1.8	1.8	1%
158	SEA	THAMMINAPATNAM TPS	P	IPP	300	22.0	4.4	97.2	0.0	1.0	1.0	1%
159	SEA	TORANGALLU TPS(SBU-I)	P	IPP	260	22.0	1.8	38.8	0.0	0.0	0.0	0%
160	SEA	TORANGALLU TPS(SBU-II)	P	IPP	600	22.0	5.4	118.7	0.0	283.3	283.3	239%
161	SEA	UDUPI TPP	P	IPP	1200	22.0	10.4	228.5	0.0	201.0	201.0	88%
162	SEA	ITPCL TPP	P	IPP	1200	22.0	12.9	284.7	0.0	169.3	169.3	59%
163	SEA	MUTHIARA TPP	P	IPP	1200	22.0	16.1	353.6	0.0	57.0	57.0	16%
164	SEA	TUTICORIN TPP ST-IV	P	IPP	525	22.0	5.4	117.8	24.1	9.1	33.2	28%
		Total-B			17255	22.0	172.4	3793.2	24.1	2249.8	2273.9	60%

#### C. PLANTS CURRENTLY NOT IN OPERATION

165	RAIL	BELA TPS	P	IPP	270	22.0	3.6	78.8	0.0	0.0	0.0	0%
166	RAIL	MIHAN TPS	P	IPP	246	22.0	3.3	71.8	0.0	0.0	0.0	0%
167	RAIL	NASIK (P) TPS	P	IPP	1350	22.0	17.9	393.8	0.0	0.0	0.0	0%
168	RAIL	SALORA TPP	P	IPP	135	22.0	1.8	39.4	0.0	0.0	0.0	0%
169	RAIL	SHIRPUR TPP	P	IPP	150	22.0	2.0	43.8	0.0	0.0	0.0	0%
170	RAIL	TUTICORIN (P) TPP	P	IPP	300	22.0	4.0	87.5	0.0	0.0	0.0	0%
171	RAIL	UTKAL TPP (IND BARATH)	P	IPP	350	22.0	4.6	102.1	0.0	0.0	0.0	0%
172	RAIL	TITAGARH TPS	P	IPP	240	22.0	3.2	70.0	0.0	0.0	0.0	0%
		Total-C			3041	22.0	40.3	887.1	0.0	0.0	0.0	0%

		Grand Total=A+B+C			203347	20.5	2762	56600	23150	5194	28344	50%
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**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO. 700  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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Comparison of Cumulative Power Supply Position (Energy) during the period April, 2022 - June, 2022 (Provisional) vis-à-vis April, 2021 - June, 2021								
State / System / Region	April, 2022 - June, 2022 (*)				April, 2021 - June, 2021			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	( MU )	( MU )	( MU )	( % )	( MU )	( MU )	( MU )	( % )
Chandigarh	527	527	0	0.0	400	400	0	0.0
Delhi	10,895	10,892	3	0.0	7,856	7,854	1	0.0
Haryana	16,967	16,598	369	2.2	13,629	13,609	20	0.1
Himachal Pradesh	3,112	3,048	63	2.0	2,742	2,737	5	0.2
UT of J&K and Ladakh	4,665	4,441	224	4.8	5,086	4,674	412	8.1
Punjab	18,730	18,564	166	0.9	15,400	15,344	56	0.4
Rajasthan	26,152	25,430	722	2.8	20,448	20,418	30	0.1
Uttar Pradesh	42,423	41,666	757	1.8	32,788	32,457	331	1.0
Uttarakhand	4,355	4,254	102	2.3	3,543	3,538	5	0.2
Northern Region	1,28,112	1,25,706	2,405	1.9	1,01,892	1,01,031	861	0.8
Chhattisgarh	9,697	9,643	54	0.6	7,872	7,870	2	0.0
Gujarat	38,693	38,689	4	0.0	30,721	30,721	0	0.0
Madhya Pradesh	23,469	23,167	302	1.3	19,222	19,222	0	0.0
Maharashtra	51,522	51,412	109	0.2	43,707	43,707	0	0.0
Dadra & Nagar Haveli and Daman & Diu	2,514	2,514	0	0.0	2,208	2,208	0	0.0
Goa	1,279	1,278	0	0.0	1,143	1,143	0	0.0
Western Region	1,28,545	1,28,075	470	0.4	1,04,872	1,04,871	2	0.0
Andhra Pradesh	12,770	18,530	403	2.1	17,756	17,746	9	0.1
Telangana	18,307	18,284	22	0.1	16,517	16,516	1	0.0
Karnataka	19,006	18,983	23	0.1	18,274	18,273	1	0.0
Kerala	7,090	7,075	15	0.2	6,489	6,485	4	0.1
Tamil Nadu	30,967	30,894	73	0.2	28,615	28,614	1	0.0
Puducherry	846	845	1	0.1	761	761	0	0.0
Lakshadweep (#)	17	17	0	0.0	15	15	0	0.0
Southern Region	95,160	94,624	536	0.6	88,412	88,395	17	0.0
Bihar	10,826	10,568	258	2.4	9,421	9,375	46	0.5
DVC	6,561	6,554	7	0.1	5,819	5,819	0	0.0
Jharkhand	3,217	2,901	316	9.8	2,635	2,577	57	2.2
Odisha	11,140	11,095	45	0.4	9,184	9,184	0	0.0
West Bengal	16,569	16,524	45	0.3	14,674	14,648	26	0.2
Sikkim	140	140	0	0.1	136	136	0	0.0
Andaman- Nicobar (#)	89	89	0	0.0	87	81	6	6.7
Eastern Region	48,467	47,797	670	1.4	41,869	41,739	129	0.3
Arunachal Pradesh	224	219	5	2.1	188	188	1	0.3
Assam	2,725	2,725	0	0.0	2,697	2,679	19	0.7
Manipur	226	225	1	0.3	227	226	1	0.4
Meghalaya	496	488	8	1.6	490	477	13	2.7
Mizoram	162	162	0	0.0	157	155	2	1.3
Nagaland	224	213	11	4.8	206	205	1	0.3
Tripura (##)	418	418	0	0.0	407	407	0	0.1
North-Eastern Region	4,477	4,452	25	0.6	4,372	4,336	36	0.8
All India	4,04,761	4,00,654	4,107	1.0	3,41,418	3,40,372	1,046	0.3
(*) Provisional								
(#) 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. The MU figures have been rounded off to nearest unit place.								

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.750  
ANSWERED ON 21.07.2022**

**UNELECTRIFIED VILLAGES**

**750. SHRI ADHIKARI DEEPAK (DEV):**

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

- (a) whether all villages in the country would be electrified by 2022;**
- (b) if so, the details thereof along with the number of villages that are still to be electrified;**
- (c) whether Baidaposi village in Mayurbhanj district of Odisha is still to be electrified;**
- (d) if so, the details thereof and the reasons therefor; and**
- (e) the time by which it is likely to be electrified?**

**A N S W E R**

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

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

**(a) to (e): As reported by the States, all the inhabited un-electrified census villages across the country stand electrified as on 28<sup>th</sup> April, 2018 under Deen Dayal Upadhyaya Gram Jyoti Yojana. State Government of Odisha has reported that Baidaposi village in Mayurbhanj district of Odisha stands electrified.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.768  
ANSWERED ON 21.07.2022**

**INFRASTRUCTURE CREATED UNDER DDUGJY**

**768. SHRI JAYANT SINHA:**

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

- (a) the physical infrastructure created and the targets set under the Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY), State-wise;**
- (b) the physical infrastructure created and the targets set under the DDUGJY in Jharkhand, district-wise; and**
- (c) the quantum of funds allocated and disbursed under the DDUGJY during the last three years and the current year, State-wise?**

**A N S W E R**

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

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

- (a) : State-wise details of targets set and infrastructure created under the Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) are at Annexure-I.**
- (b) : District-wise details of physical infrastructure created and the targets set under DDUGJY in the State of Jharkhand are at Annexure-II.**
- (c) : There was no upfront allocation of funds for any State/District under DDUGJY which has now been closed on 31.3.2022. Funds were released for sanctioned projects in instalments based on the reported utilization of the funds released in the previous instalments and fulfilment of stipulated conditions. State-wise and year-wise details of funds disbursed during the last three years under DDUGJY (including RE & additional infra) are at Annexure-III.**

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**ANNEXURE-I**

**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 768 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**State-wise Physical Infrastructure created under the DDUGJY (New + Addl. Infra)**

Sl. No.	State	New Substation		Augmentation Substation		DTR		Lines (Ckm)						Feeder Segregation 11 kV (CKm)		Metering (Nos.)						
		Target	Achmt	Target	Achmt	Target	Achmt	LT		11KV (Excluding Feeder Segregation)		33/66 KV		Ckm		Consumer		DTR		Feeder		
		No.	No.	No.	No.	No.	No.	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt	Target
1	ANDAMAN & NICOBAR ISLANDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39200	39200	0	0	0	0
2	ANDHRA PRADESH	204	204	0	0	18869	18869	8055	8055	4714	4714	1341	1341	0	0	15779	15779	3618	3618	342	342	
3	ARUNACHAL PRADESH	5	5	0	0	1915	1915	3030	3030	2523	2523	207	207	0	0	95522	95522	1623	1623	377	377	
4	ASSAM	22	22	13	13	22196	21932	40055	40081	17007	15941	351	351	0	0	0	0	17118	17118	257	257	
5	BIHAR	293	280	9	9	82325	81485	74010	73689	33936	33956	4216	4172	18585	18378	2489478	2457482	0	0	0	0	
6	CHHATTISGARH	80	80	82	82	12164	12164	10238	10238	7253	7253	1055	1055	4714	4714	52819	52819	837	837	3390	3390	
7	DADRA & NAGAR HAVELI	0	0	0	0	0	0	0	0	21	21	0	0	0	0	300	300	350	350	0	0	
8	GOA	0	0	0	0	21	21	56	56	13	13	0	0	0	0	94187	94187	0	0	0	0	
9	GUJARAT	15	15	28	28	18533	18533	22071	22071	11030	11030	91	91	0	0	1656126	1656126	57624	57624	0	0	
10	HARYANA	14	14	19	19	2761	2761	1970	1970	1299	1299	133	133	184	184	83723	83723	0	0	0	0	
11	HIMACHAL PRADESH	14	14	16	16	315	315	1452	1452	322	322	22	22	10	10	122825	122825	381	381	15	15	
12	JAMMU & KASHMIR	20	20	13	13	7209	7209	21091	21091	5026	5026	184	184	139	139	0	0	280	280	0	0	
13	JHARKHAND	109	109	97	97	56480	56480	47430	47430	14938	14938	1364	1364	5577	5577	334147	334147	0	0	1017	1017	
14	KARNATAKA	4	4	3	3	13215	13215	9000	9000	10763	10763	44	44	11784	11784	2078801	2078801	23790	23790	0	0	
15	KERALA	2	2	7	7	598	598	3473	3473	1255	1255	32	32	0	0	2063687	2063687	23436	23436	97	97	
16	LADAKH	1	1	0	0	144	144	432	432	543	543	17	17	0	0	0	0	0	0	0	0	
17	MADHYA PRADESH	145	145	314	314	41590	41590	50068	50068	28627	28627	1432	1432	8474	8474	442082	436082	831	831	242	242	
18	MAHARASHTRA	210	210	150	150	11956	11956	13240	13240	4606	4606	2368	2368	8871	8871	0	0	0	0	0	0	
19	MANIPUR	0	0	0	0	937	937	1664	1664	793	793	0	0	0	0	100000	100000	0	0	0	0	
20	MEGHALAYA	9	9	2	2	1825	1825	9134	9134	1515	1515	101	101	0	0	0	0	999	999	179	179	
21	MIZORAM	0	0	4	4	368	368	399	399	425	425	7	7	0	0	19133	19133	0	0	232	232	
22	NAGALAND	6	6	0	0	364	364	596	596	542	542	54	54	0	0	0	0	697	697	191	191	
23	ODISHA	12	12	164	164	14212	14212	11408	11408	5591	5604	1547	1547	1240	1240	2271702	2271702	0	0	902	902	
24	PUDUCHERRY	0	0	0	0	28	28	8	8	38	38	0	0	0	0	75609	75609	1250	1250	0	0	
25	PUNJAB	0	0	0	0	7912	7912	246	246	3268	3268	0	0	2032	2032	169357	169357	0	0	0	0	
26	RAJASTHAN	231	231	85	85	129487	127534	80152	78652	29624	28819	2784	2784	6396	6396	8125	8125	0	0	1476	1476	
27	SIKKIM	0	0	0	0	373	373	924	924	380	380	0	0	0	0	45969	45969	0	0	65	65	
28	TAMIL NADU	106	106	131	131	1189	1189	1174	1174	1538	1538	1514	1514	797	797	1195856	1195856	0	0	0	0	
29	TELANGANA	86	86	0	0	9162	9162	8164	8164	1582	1582	313	313	0	0	0	0	0	0	1435	1435	
30	TRIPURA	4	4	0	0	1262	1262	2589	2589	1770	1770	40	40	0	0	161728	161728	0	0	0	0	
31	UTTAR PRADESH	269	269	1091	1091	148339	148339	83592	83592	28537	28537	4407	4385	36337	36337	2095542	2095542	83316	83316	1832	1832	
32	UTTARAKHAND	1	1	0	0	3818	3818	5935	5935	3225	3224	0	0	0	0	20882	20882	0	0	0	0	
33	WEST BENGAL	80	80	152	152	23003	23003	40401	40401	4918	4918	1613	1613	9424	9424	2977976	2977976	17159	17159	2757	2757	
	ALL INDIA	1942	1929	2380	2380	632570	629513	552057	550262	227623	225783	25235	25170	114564	114358	18710555	18672559	233309	233309	14806	14806	

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## ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 768 ANSWERED IN THE LOK SABHA ON 21.07.2022

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## District-wise Physical infrastructure created under the DDUGJY (New + Addl Infra) in Jharkhand

Sl. No.	Project Name	New Substation		Augmentation Substation		DTR		Lines (Ckm)						Feeder Segregation 11 kV (CKm)		Energy Meters					
		Target	Achmt	Target	Achmt	Target	Achmt	LT		11KV (Excluding Feeder Segregation)		33/66 KV		CKm		Consumer		DTR		Feeder	
		No.	No.	No.	No.	No.	No.	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt	Target	Achmt
1	Bokaro	1	1	4	4	1345	1345	355	355	386	386	6	6	549	549	25800	25800	0	0	36	36
2	Chatra	4	4	0	0	2672	2672	1908	1908	622	622	23	23	164	164	18707	18707	0	0	9	9
3	Deoghar	4	4	0	0	1055	1055	984	984	92	92	120	120	653	653	20429	20429	0	0	44	44
4	Dhanbad	4	4	0	0	993	993	548	548	106	106	42	42	132	132	19999	19999	0	0	15	15
5	Dumka	3	3	7	7	2816	2816	1746	1746	792	792	37	37	61	61	26027	26027	0	0	54	54
6	Garhwa	4	4	1	1	2865	2865	3247	3247	721	721	56	56	7	7	3114	3114	0	0	0	0
7	Giridih	5	5	2	2	3153	3153	3099	3099	921	921	96	96	111	111	36363	36363	0	0	114	114
8	Godda	5	5	2	2	1567	1567	741	741	246	246	70	70	179	179	18311	18311	0	0	32	32
9	Gumla	3	3	5	5	2279	2279	2004	2004	807	807	56	56	46	46	19996	19996	0	0	83	83
10	Hazaribagh	4	4	12	12	1465	1465	2241	2241	219	219	16	16	577	577	25672	25672	0	0	72	72
11	Jamtara	2	2	0	0	731	731	427	427	162	162	17	17	87	87	1835	1835	0	0	32	32
12	Khunti	5	5	2	2	1935	1935	900	900	222	222	46	46	487	487	6704	6704	0	0	11	11
13	Kodarma	3	3	5	5	810	810	641	641	108	108	38	38	254	254	12181	12181	0	0	14	14
14	Latehar	7	7	5	5	1187	1187	1875	1875	890	890	94	94	115	115	17326	17326	0	0	27	27
15	Lohardaga	4	4	4	4	1125	1125	865	865	527	527	41	41	245	245	0	0	0	0	22	22
16	Pakur	2	2	2	2	1384	1384	743	743	175	175	20	20	51	51	1172	1172	0	0	34	34
17	Palamu	11	11	4	4	2968	2968	3086	3086	881	881	117	117	88	88	10000	10000	0	0	58	58
18	Pashchimi Singhbhum	4	4	6	6	2239	2239	2852	2852	1219	1219	50	50	37	37	731	731	0	0	63	63
19	Purbi Singhbhum	5	5	3	3	1854	1854	1340	1340	241	241	57	57	0	0	5724	5724	0	0	61	61
20	Ramgarh	0	0	6	6	1155	1155	223	223	0	0	47	47	507	507	17491	17491	0	0	6	6
21	Ranchi	6	6	8	8	3958	3958	2071	2071	320	320	107	107	817	817	36500	36500	0	0	99	99
22	Sahibganj	3	3	8	8	1240	1240	812	812	225	225	29	29	58	58	659	659	0	0	46	46
23	Saraikela-Kharsawan	2	2	5	5	1416	1416	1485	1485	342	342	31	31	4	4	1989	1989	0	0	58	58
24	Simdega	7	7	0	0	1233	1233	1368	1368	927	927	114	114	58	58	7417	7417	0	0	27	27
25	All Districts DDUGJY (Addl. Infra)	11	11	6	6	13035	13035	11871	11871	3787	3787	34	34	291	291	0	0	0	0	0	0
	<b>TOTAL</b>	<b>109</b>	<b>109</b>	<b>97</b>	<b>97</b>	<b>56480</b>	<b>56480</b>	<b>47430</b>	<b>47430</b>	<b>14938</b>	<b>14938</b>	<b>1364</b>	<b>1364</b>	<b>5577</b>	<b>5577</b>	<b>334147</b>	<b>334147</b>	<b>0</b>	<b>0</b>	<b>1017</b>	<b>1017</b>

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## ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 768  
ANSWERED IN THE LOK SABHA ON 21.07.2022

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STATE-WISE & YEAR-WISE DETAILS OF GRANT DISBURSED UNDER DDUGJY  
(INCLUDING RE & ADDITIONAL INFRA) DURING THE THREE YEARS

(Rs. in Cr.)

SI. NO.	NAME OF THE STATES	2019-20	2020-21	2021-22	TOTAL
1	Andhra Pradesh	8	8	81	97
2	Arunachal Pradesh	37	32	72	141
3	Assam	661	416	339	1416
4	Bihar	682	830	864	2376
5	Chhattisgarh	58	54	129	241
6	Gujarat	-	13	51	64
7	Haryana	50	5	44	99
8	Himachal Pradesh	40	37	2	79
9	Jammu & Kashmir	65	35	-	100
10	Jharkhand	610	355	230	1195
11	Karnataka	283	13	101	397
12	Kerala	8	-	54	62
13	Ladakh	24	-	-	24
14	Madhya Pradesh	375	278	656	1309
15	Maharashtra	225	158	21	404
16	Manipur	46	50	23	119
17	Meghalaya	165	61	7	233
18	Mizoram	16	5	24	45
19	Nagaland	24	11	7	42
20	Odisha	330	122	269	721
21	Punjab	115	16	30	161
22	Rajasthan	273	116	380	769
23	Sikkim	9	28	10	47
24	Tamil Nadu	56	-	100	156
25	Telangana	74	-	64	138
26	Tripura	47	48	74	169
27	Uttar Pradesh	946	1,661	1,019	3626
28	Uttarakhand	269	5	-	274
29	West Bengal	261	149	483	893
30	Goa	7	-	2	9
31	D&N Haveli	-	-	2	2
32	Puducherry	5	3	1	9
33	Andaman Nicobar	-	2	3	5
	<b>Total</b>	<b>5,769</b>	<b>4,511</b>	<b>5,142</b>	<b>15422</b>

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.798  
ANSWERED ON 21.07.2022**

**INCREASING POWER DEMANDS**

**798. SHRIMATI SUNITA DUGGAL:**

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

- (a) whether the northern States especially Haryana has already touched its highest peak of energy consumption;**
- (b) if so, the plans of the Government to tackle the increasing power demands in the country;**
- (c) whether new power projects like hydro, thermal etc. are being constructed and if so, the details thereof;**
- (d) the details of new power projects which are sanctioned or operational during the last three years and the current year along with their capacity;**
- (e) the details of the total number of power plants of different category in the country along with their capacity of generation, State-Wise;**
- (f) whether any request has been received from the Government of Haryana to establish a new power plant or increase in capacity of any existing power plant in the State of Haryana; and**
- (g) if so, the details thereof?**

**A N S W E R**

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

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

**(a): CEA has informed that as per the data available for the months of April, 2022, May, 2022 & June, 2022; and the anticipated energy requirement of the Northern States for the remaining period of 2022-23 (i.e. July, 2022 to March, 2023) the States of Delhi, Uttarakhand, Uttar Pradesh and the UT of Chandigarh have touched the highest of average energy requirement per day during 2022-23 till June, 2022 and the State of Haryana is expected to touch its highest energy requirement per day in the month of September, 2022.**

**(b) & (c): In consideration of the increasing power demand in the country, conventional thermal projects totalling to 27,550 MW and conventional Hydro Electric Projects of 14,103.50 MW capacity are presently under construction in the country. Further, 8,700 MW of Nuclear Projects are also under construction.**

.....2.

**The project-wise details of conventional Thermal Power Projects (TPPs), Hydro Electric Projects (HEPs) and Nuclear Power Projects which are under construction, are given at Annexure-I, Annexure-II and Annexure-III respectively.**

**(d) : The details of new power project units which have been commissioned during the last three years (2019-20 to 2021-22) and the current year 2022-23 (up to June, 2022), are given at Annexure-IV.**

**Further, Letter of Award (LOA) has been placed in respect of the conventional Thermal and Hydro Power Projects during the last three years and the current year (FY 2019-20 to FY 2022-23), the details of which are given at Annexure-V. The list of Nuclear Power Projects which have been accorded Administrative Approval and Financial Sanction is given at Annexure-VI.**

**(e) : The State-wise details of existing conventional Power Plants in the country along with their Installed Capacity (MW) as on 30.06.2022, are enclosed at Annexure-VII. Further, the details of State/UTs & Source-wise Renewable Energy Installed Capacity (MW) as on 30.06.2022, are enclosed at Annexure-VIII.**

**(f) & (g) : As per the Electricity Act, 2003, generation is a de-licensed activity and any generating company may establish, operate and maintain a generating station without obtaining a license under this Act if it complies with the technical standards related to connectivity with the grid. The concurrence of the Central Electricity Authority (CEA) is required only in case of setting up of a hydro-generating station.**

**In this context, the Power Department of Haryana has informed that approval has been accorded at the State level for setting up a new supercritical 800 MW unit at DCRTPP, Yamuna Nagar.**

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**ANNEXURE REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION  
NO. 798 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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The project-wise and State/UT-wise details of under construction conventional Thermal Power Projects (TPPs)

Sl. No.	Project Name/ Implementing Agency	Sector	Unit No.	Capacity (MW)
	<b>Bihar</b>			
1	Barh STPP-I ( NTPC)	Central	U-2	660
2	Barh STPP-I (NTPC)	Central	U-3	660
3	Buxar TPP (SJVN)	Central	U-1	660
			U-2	660
	<b>Sub-total: Bihar</b>			<b>2640</b>
	<b>Telangana</b>			
4	Telangana STPP St- I,(NTPC)	Central	U-1	800
			U-2	800
5	Yadadri TPS (TSGENCO)	State	U-1	800
			U-2	800
			U-3	800
6	Yadadri TPS	State	U-4	800
7	Yadadri TPS	State	U-5	800
	<b>Sub-total: Telangana</b>			<b>5600</b>
	<b>Jharkhand</b>			
8	North Karanpura STPP, (NTPC)	Central	U-1	660
9	North Karanpura STPP(NTPC)	Central	U-2	660
			U-3	660
10	Patratu STPP	Central	U-1	800
11	Patratu STPP	Central	U-2	800
12	Patratu STPP	Central	U-3	800
	<b>Sub-total: Jharkhand</b>			<b>4380</b>
	<b>Andhra Pradesh</b>			
13	Dr. Narla Tata Rao TPS St-V (APGENCO)	State	U-1	800
14	Sri Damodaran Sanjeevaiah TPP St-II (APPDCL)	State	U-1	800
	<b>Sub-total: Andhra Pradesh</b>			<b>1600</b>
	<b>Karnataka</b>			
15	Yelahanka CCPP (KPCL)	State	GT+ST	370
	<b>Sub-total: Karnataka</b>			<b>370</b>
	<b>Uttar Pradesh</b>			
16	Ghatampur TPP (NUPPL)	Central	U-1	660
			U-2	660
			U-3	660
17	Khurja SCTPP (THDC)	Central	U-1	660
18	Jawaharpur STPP (UPRVUNL)	State	U-1	660
			U-2	660
19	Obra-C STPP (UPRVUNL)	State	U-1	660
			U-2	660
20	Panki TPS Extn. (UPRVUNL)	State	U-1	660
21	Khurja SCTPP	Central	U-2	660
	<b>Sub-total: Uttar Pradesh</b>			<b>6600</b>



	<b>Tamil Nadu</b>			
<b>22</b>	<b>Udangudi STPP Stage I (TANGEDCO)</b>	<b>State</b>	<b>U-1</b>	<b>660</b>
<b>23</b>	<b>Ennore SCTPP (TANGEDCO)</b>	<b>State</b>	<b>U-1</b>	<b>660</b>
<b>24</b>	<b>Ennore SCTPP</b>	<b>State</b>	<b>U-2</b>	<b>660</b>
<b>25</b>	<b>Udangudi STPP Stage I (TANGEDCO)</b>	<b>State</b>	<b>U-2</b>	<b>660</b>
<b>26</b>	<b>Uppur Super Critical TPP</b>	<b>State</b>	<b>U-1</b>	<b>800</b>
<b>27</b>	<b>Uppur Super Critical TPP</b>	<b>State</b>	<b>U-2</b>	<b>800</b>
<b>28</b>	<b>North Chennai TPP St-III (TANGEDCO)</b>	<b>State</b>	<b>U-1</b>	<b>800</b>
	<b>Sub-total: Tamil Nadu</b>			<b>5040</b>
	<b>Maharashtra</b>			
<b>29</b>	<b>Bhusawal TPS (MAHAGENCO)</b>	<b>State</b>	<b>U-6</b>	<b>660</b>
	<b>Sub-total: Maharashtra</b>			<b>660</b>
	<b>West Bengal</b>			
<b>30</b>	<b>Sagardighi Thermal Power Plant Ph-III</b>	<b>State</b>	<b>U-1</b>	<b>660</b>
	<b>Sub-total: West Bengal</b>			<b>660</b>
	<b>Total</b>			<b>27550</b>

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**ANNEXURE REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 798 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**The project-wise and State/UT-wise details of under construction conventional Hydro Electric Projects (HEPs)**

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	Pinnapuram (Greenko AP01 IREP Private Limited)	Private	Kurnool	4x240+2x120	1200.00	Pennar Basin
	<b>Sub-total: Andhra Pradesh</b>				<b>2160.00</b>	
	<b>Arunachal Pradesh</b>					
3	Subansiri Lower (NHPC) #	Central	Lower Subansiri	8x250	2000.00	Subansiri/ Brahmaputra
	<b>Sub-total: Arunachal Pradesh</b>				<b>2000.00</b>	
	<b>Assam</b>					
4	Lower Kopli (APGCL)	State	Dima Hasao & Karbi Anglong	2x55+2x2.5+1x5	120.00	Kopili
	<b>Sub-total: Assam</b>				<b>120.00</b>	
	<b>Himachal Pradesh</b>					
5	Parbati St. II (NHPC)	Central	Kullu	4x200	800.00	Parbati/Beas/ Indus
6	Luhri-I (SJVN)	Central	Kullu/Shimla	2x80+2x25	210.00	Satluj/Indus
7	Dhaualsidh (SJVN)	Central	Hamirpur/ Kangra	2x33	66.00	Beas
8	Uhl-III (BVPCL)	State	Mandi	3x33.33	100.00	Uhl/Beas/ Indus
9	Shongtong Karcham (HPPCL)	State	Kinnaur	3x150	450.00	Satluj/ Indus
10	Tidong-I (Statkraft IPL)	Private	Kinnaur	100.00	100.00	Tidong/Satluj/ Indus
11	Kutehr (JSW Energy Ltd)	Private	Chamba	3x80	240.00	Ravi/ Indus
12	Tangnu Romai (TRPG)	Private	Shimla	2x22	44.00	Pabbar/Tons/ Yamuna/ Ganga
	<b>Sub-total: Himachal Pradesh</b>				<b>2010.00</b>	
	<b>UT of Jammu &amp; Kashmir</b>					
13	Pakal Dul (CVPPPL)	Central	Kishtwar	4x250	1000.00	Marusadar/ Chenab / Indus
14	Parnai (JKSPDC)	State	Poonch	3x12.5	37.50	Jhelum/ Indus
15	Kiru (CVPPPL)	Central	Kishtwar	4x156	624.00	Chenab/ Indus
16	Lower Kalnai (JKSPDC)	State	Kishtwar	2x24	48.00	Chenab/ Indus
17	Ratle (RHEPPL / NHPC)	Central	Kishtwar	4x205 + 1x30	850.00	Chenab/Indus
18	Kwar (CVPPPL)	Central	Kishtwar	4x135	540.00	Chenab
	<b>Sub-total: Jammu &amp; Kashmir</b>				<b>3099.50</b>	
	<b>Kerala</b>					
19	Pallivasal (KSEB)	State	Idukki	2x30	60.00	Mudirapuzha/ Periyar/ Baypore Periyar/ WFR
20	Thottiyar (KSEB)	State	Idukki	1x30+1x10	40.00	Thottiyar/ Periyar/ / Baypore Periyar/ WFR
	<b>Sub-total: Kerala</b>				<b>100.00</b>	

	<b>Madhya Pradesh</b>	-	-			
21	<b>Maheshwar (SMHPCL)</b>	<b>Private</b>	<b>Khargone &amp; Khandwa</b>	<b>10x40</b>	<b>400.00</b>	<b>Narmada/CIRS</b>
	<b>Sub-total: Madhya Pradesh</b>				<b>400.00</b>	
	<b>Maharashtra</b>					
22	<b>Koyna Left Bank (WRD,MAH)</b>	<b>State</b>	<b>Satara</b>	<b>2x40</b>	<b>80.00</b>	<b>Koyna/ Krishna/EFR</b>
	<b>Sub-total: Maharashtra</b>				<b>80.00</b>	
	<b>Punjab</b>					
23	<b>Shahpurkandi (PSPCL/ Irrigation Deptt., Pb.)</b>	<b>State</b>	<b>Gurdaspur</b>	<b>3x33+3x33+1x8</b>	<b>206.00</b>	<b>Ravi/ Indus</b>
	<b>Sub-total: Punjab</b>				<b>206.00</b>	
	<b>Sikkim</b>					
24	<b>Teesta St. VI NHPC</b>	<b>Central</b>	<b>South Sikkim</b>	<b>4x125</b>	<b>500.00</b>	<b>Teesta/ Brahmaputra</b>
25	<b>Rangit-IV (NHPC)</b>	<b>Central</b>	<b>West Sikkim</b>	<b>3x40</b>	<b>120.00</b>	<b>Rangit/ Teesta/ Brahmaputra</b>
26	<b>Bhasmey (Gati Infrastructure)</b>	<b>Private</b>	<b>East Sikkim</b>	<b>2x25.5</b>	<b>51.00</b>	<b>Rangpo/ Teesta/ Brahmaputra</b>
27	<b>Rangit-II (Sikkim Hydro)</b>	<b>Private</b>	<b>West Sikkim</b>	<b>2x33</b>	<b>66.00</b>	<b>Greater Rangit/ Teesta/ Brahmaputra</b>
28	<b>Panan (Himagiri)</b>	<b>Private</b>	<b>North Sikkim</b>	<b>4x75</b>	<b>300.00</b>	<b>Rangyongchu/ Teesta/ Brahmaputra</b>
	<b>Sub-total: Sikkim</b>				<b>1037.00</b>	
	<b>Tamil Nadu</b>					
29	<b>Kundah Pumped Storage Phase-I,II&amp;III)</b>	<b>State</b>	<b>Nilgiris</b>	<b>4x125</b>	<b>500.00</b>	<b>Kundah/Bhavani/ Cauvery/EFR</b>
	<b>Sub-total: Tamil Nadu</b>				<b>500.00</b>	
	<b>Uttarakhand</b>					
30	<b>Vishnugad Pipalkoti (THDC)</b>	<b>Central</b>	<b>Chamoli</b>	<b>4x111</b>	<b>444.00</b>	<b>Alaknanda/ Ganga</b>
31	<b>Naitwar Mori (SJVNL)</b>	<b>Central</b>	<b>Uttarkashi</b>	<b>2x30</b>	<b>60.00</b>	<b>Tons/Yamuna/ Ganga</b>
32	<b>Tapovan Vishnugad (NTPC)</b>	<b>Central</b>	<b>Chamoli</b>	<b>4x130</b>	<b>520.00</b>	<b>Dhauliganga / Alaknanda &amp; /Ganga</b>
33	<b>Tehri PSS (THDC)</b>	<b>Central</b>	<b>Tehri Garhwal</b>	<b>4x250</b>	<b>1000.00</b>	<b>Bhilangna/Bhagir- athi/Ganga</b>
34	<b>Lata Tapovan (NTPC)</b>	<b>Central</b>	<b>Chamoli</b>	<b>3x57</b>	<b>171.00</b>	<b>Dhauliganga /Alaknanda &amp; Ganga</b>
35	<b>Phata Byung (LANCO)</b>	<b>Private</b>	<b>Rudraprayag</b>	<b>2x38</b>	<b>76.00</b>	<b>Mandakini/ Alaknanda Ganga</b>
	<b>Sub-total: Uttarakhand</b>				<b>2271.00</b>	
	<b>West Bengal</b>					
36	<b>Rammam-III (NTPC)</b>	<b>Central</b>	<b>Darjeeling</b>	<b>3x40</b>	<b>120.00</b>	<b>Rammam/ Rangit/Teesta Brahmaputra</b>
	<b>Sub-total: West Bengal</b>				<b>120.00</b>	
	<b>Total:</b>				<b>14103.50</b>	

**# Part of the project lies in Dhemaji district of Assam.**

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**ANNEXURE-III****ANNEXURE REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 798 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**The detailed list of under construction Nuclear Power Projects**

<b>STATE</b>	<b>LOCATION</b>	<b>PROJECT</b>	<b>CAPACITY(MW)</b>
<b>GUJARAT</b>	<b>KAKRAPAR</b>	<b>KAPP-3\$ &amp; 4</b>	<b>2*700=1400</b>
<b>RAJASTHAN</b>	<b>RAWATBHATTA</b>	<b>RAPP 7 &amp; 8</b>	<b>2*700=1400</b>
<b>HARYANA</b>	<b>GORAKHPUR</b>	<b>GHAVP-1&amp;2</b>	<b>2*700=1400</b>
<b>TAMILNADU</b>	<b>KUDANKULAM</b>	<b>KKNPP-3&amp;4</b>	<b>2*1000=2000</b>
		<b>KKNPP-5&amp;6</b>	<b>2*1000=2000</b>
	<b>KALPAKKAM</b>	<b>PFBR</b>	<b>1*500=500</b>
		<b>TOTAL</b>	<b>8700 MW</b>

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## ANNEXURE-IV

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 798  
ANSWERED IN THE LOK SABHA ON 21.07.2022

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## Details of New Power Project Units commissioned during the last three years and the current year

Sr. No.	Name of Project	Organisation	State	Sector	Fuel Used	Unit No	Installed Capacity (MW)
<b>2019-20</b>							
1	SURATGARH STPS	RRVUNL	Rajasthan	State Sector	Coal	7	660.00
2	WANAKBORI TPS	GSECL	Gujarat	State Sector	Coal	8	800.00
3	IB VALLEY TPS	OPGC	Odisha	State Sector	Coal	3	660.00
4	IB VALLEY TPS	OPGC	Odisha	State Sector	Coal	4	660.00
5	TANDA TPS	NTPC	Uttar Pradesh	Central Sector	Coal	5	660.00
6	NIWARI TPP	BLA POWER PRIVATE LIMITED	Madhya Pradesh	Private Sector	Coal	2	45.00
7	KHARGONE STPP	NTPC	Madhya Pradesh	Central Sector	Coal	1	660.00
8	KHARGONE STPP	NTPC	Madhya Pradesh	Central Sector	Coal	2	660.00
9	NEYVELI NEW TPP	NLC	Tamil Nadu	Central Sector	Lignite	1	500.00
10	NABINAGAR STPP	MPGCL	Bihar	Central Sector	Coal	1	660.00
11	DARLIPALI STPS	NTPC	Odisha	Central Sector	Coal	1	800.00
12	KAMENG HPS	NEEPCO.	Arunachal Pradesh	Central Sector	Hydro	1	150.00
13	KAMENG HPS	NEEPCO.	Arunachal Pradesh	Central Sector	Hydro	2	150.00
<b>Total Capacity Addition during 2019-20</b>							<b>7065.00</b>
<b>2020-21</b>							
14	SAWRA KUDDU HPS	HPPCL	Himachal Pradesh	State Sector	Hydro	1	37.00
15	SAWRA KUDDU HPS	HPPCL	Himachal Pradesh	State Sector	Hydro	2	37.00
16	SAWRA KUDDU HPS	HPPCL	Himachal Pradesh	State Sector	Hydro	3	37.00
17	BHADRADRI TPP	TSGENCO	Telangana	State Sector	Coal	1	270.00
18	BHADRADRI TPP	TSGENCO	Telangana	State Sector	Coal	2	270.00
19	BHADRADRI TPP	TSGENCO	Telangana	State Sector	Coal	3	270.00
20	NAMRUP CCPP	APGCL	Assam	State Sector	Gas	8	36.15
21	SINGOLI BHATWARI HPS	L&T UHL	Uttarakhand	Private Sector	Hydro	1	33.00
22	SINGOLI BHATWARI HPS	L&T UHL	Uttarakhand	Private Sector	Hydro	2	33.00
23	SINGOLI BHATWARI HPS	L&T UHL	Uttarakhand	Private Sector	Hydro	3	33.00
24	TANDA TPS	NTPC	Uttar Pradesh	Central Sector	Coal	6	660.00
25	MEJA STPP	MUNPL	Uttar Pradesh	Central Sector	Coal	2	660.00
26	LARA TPP	NTPC	Chhattisgarh	Central Sector	Coal	2	800.00
27	GADARWARA TPP	NTPC	Madhya Pradesh	Central Sector	Coal	2	800.00
28	NEYVELI NEW TPP	NLC	Tamil Nadu	Central Sector	Lignite	2	500.00
29	NABINAGAR STPP	MPGCL	Bihar	Central Sector	Coal	2	660.00
30	KAMENG HPS	NEEPCO.	Arunachal Pradesh	Central Sector	Hydro	3	150.00
31	KAMENG HPS	NEEPCO.	Arunachal Pradesh	Central Sector	Hydro	4	150.00
<b>Total Capacity Addition during 2020-21</b>							<b>5436.15</b>
<b>2021-22</b>							
32	SURATGARH STPS	RRVUNL	Rajasthan	State Sector	Coal	8	660.00
33	HARDUAGANJ TPS	UPRVUNL	Uttar Pradesh	State Sector	Coal	10	660.00
34	BHADRADRI TPP	TSGENCO	Telangana	State Sector	Coal	4	270.00
35	RONGNICHU HPS	MBPCL	Sikkim	Private Sector	Hydro	1	56.50
36	RONGNICHU HPS	MBPCL	Sikkim	Private Sector	Hydro	2	56.50
37	SORANG HPS	HSPCL	Himachal Pradesh	Private Sector	Hydro	1	50.00
38	SORANG HPS	HSPCL	Himachal Pradesh	Private Sector	Hydro	2	50.00
39	BAJOLI HOLI HPS	GBHHPPL	Himachal Pradesh	Private Sector	Hydro	1	60.00
40	BAJOLI HOLI HPS	GBHHPPL	Himachal Pradesh	Private Sector	Hydro	2	60.00
41	BAJOLI HOLI HPS	GBHHPPL	Himachal Pradesh	Private Sector	Hydro	3	60.00
42	TUTICORIN TPP ST-IV	SPPL	Tamil Nadu	Private Sector	Coal	1	525.00
43	BARH STPS	NTPC	Bihar	Central Sector	Coal	1	660.00
44	NABINAGAR TPP	BRBCL	Bihar	Central Sector	Coal	4	250.00
45	NABINAGAR STPP	MPGCL	Bihar	Central Sector	Coal	3	660.00
46	DARLIPALI STPS	NTPC	Odisha	Central Sector	Coal	2	800.00
<b>Total Capacity Addition during 2021-22</b>							<b>4878.00</b>
<b>2022-23 (Upto June 2022)</b>							
47	VYASI HPS	UJVNL	Uttarakhand	State Sector	Hydro	1	60.00
48	VYASI HPS	UJVNL	Uttarakhand	State Sector	Hydro	2	60.00
<b>Total Capacity Addition during 2022-23 (Upto June 2022)</b>							<b>120.00</b>

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**ANNEXURE-V****ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 798  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**List of Thermal and Hydro Power Projects for which LOAs were placed during the last  
three years and the current year (FY 2019-20 to FY 2022-23)**

<b>Sl. No.</b>	<b>Project Name (Executing Agency)</b>	<b>Type</b>	<b>State</b>	<b>Capacity</b>	<b>Letter of Award</b>
1.	Buxar Thermal Power Project (M/s SJVNL)	Thermal	Bihar	1320 MW (2X660 MW)	June, 2019
2.	Khurja Thermal Power Project	Thermal	Uttar Pradesh	1320 MW (2X660 MW)	August, 2019
3.	Pinnapuram (Greenko AP01 IREP Private Limited)	Hydro	Andhra Pradesh	1200 MW (4X240 MW +2X120 MW)	20/04/2023
4.	Lower Kopli (APGCL)	Hydro	Assam	120 MW (2X55 MW + 2X2.5 MW + 1X5 MW)	21/08/2020
5.	Luhri-I (SJVN)	Hydro	Himachal Pradesh	210 MW (2X80 MW + 2X25 MW)	20/11/2020
6.	Dhauasidh (SJVN)	Hydro	Himachal Pradesh	66 MW (2X33 MW)	01/10/2020
7.	Kutehr (JSW Energy Ltd)	Hydro	Himachal Pradesh	240 MW (3X80 MW)	19/09/2019
8.	Ratle (RHEPPL/ NHPC)	Hydro	Jammu & Kashmir	850 MW (4X205 MW + 1X30 MW)	11/02/2021
9.	Kwar (CVPPPPL)	Hydro	Jammu & Kashmir	540 MW (4X135 MW)	11/05/2022
10.	Rangit-IV (NHPC)	Hydro	Sikkim	120 MW (3X40 MW)	30/03/2021

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**ANNEXURE-VI****ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 798  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**List of Nuclear Power Projects which have been accorded Administrative Approval and  
Financial Sanction**

<b>STATE</b>	<b>LOCATION</b>	<b>PROJECT</b>	<b>CAPACITY (MW)</b>
<b>KARNATAKA</b>	<b>KAIGA</b>	<b>KAIGA 5 &amp; 6</b>	<b>2*700=1400</b>
<b>HARYANA</b>	<b>GORAKHPUR</b>	<b>GHAVP 3 &amp; 4</b>	<b>2*700=1400</b>
<b>MADHYA PRADESH</b>	<b>CHUTKA</b>	<b>CHUTKA 1 &amp; 2</b>	<b>2*700=1400</b>
<b>RAJASTHAN</b>	<b>MAHI BANSWARA</b>	<b>MAHI BANSWARA 1 &amp; 2</b>	<b>2*700=1400</b>
		<b>MAHI BANSWARA 3 &amp; 4</b>	<b>2*700=1400</b>
<b>TOTAL</b>			<b>7000 MW</b>

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**ANNEXURE REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 798  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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Details of total number of Conventional Power Plants along with their Installed Capacity (MW) as on 30.06.2022								
Region	State	Name of Project	Organisation	Sector	Fuel Used	Installed Capacity (MW)		
NR	Delhi	I.P.CCPP	IPGCL	State Sector	Gas	270.00		
		PRAGATI CAPP	PPCL	State Sector	Gas	330.40		
		PRAGATI CCGT-III	PPCL	State Sector	Gas	1500.00		
		RITHALA CAPP	TPDDL	Private Sector	Gas	108.00		
	<b>Delhi Total</b>					<b>2208.40</b>		
Haryana	Haryana	FARIDABAD CAPP	NTPC	Central Sector	Gas	431.59		
		INDIRA GANDHI STPP	APCPL	Central Sector	Coal	1500.00		
		MAHATMA GANDHI TPS	JhPL(HR)	Private Sector	Coal	1320.00		
		PANIPAT TPS	HPGCL	State Sector	Coal	710.00		
		RAJIV GANDHI TPS	HPGCL	State Sector	Coal	1200.00		
		YAMUNA NAGAR TPS	HPGCL	State Sector	Coal	600.00		
	<b>Haryana Total</b>					<b>5761.59</b>		
Himachal Pradesh	Himachal Pradesh	BASSI HPS	HPSEB	State Sector	Hydro	66.00		
		CHAMERA-III HPS	NHPC	Central Sector	Hydro	231.00		
		KOLDAM	NTPC	Central Sector	Hydro	800.00		
		NATHPA JHAKRI HPS	SJVNL	Central Sector	Hydro	1500.00		
		PARBATI-III HPS	NHPC	Central Sector	Hydro	520.00		
		RAMPUR HPS	SJVNL	Central Sector	Hydro	412.02		
		SAINJ HPS	HPPCL	State Sector	Hydro	100.00		
		BHAKRA LEFT HPS	BBMB	Central Sector	Hydro	612.00		
		BHAKRA RIGHT HPS	BBMB	Central Sector	Hydro	785.00		
		DEHAR HPS	BBMB	Central Sector	Hydro	990.00		
		PONG HPS	BBMB	Central Sector	Hydro	396.00		
		GIRI BATA HPS	HPSEB	State Sector	Hydro	60.00		
		LARJI HPS	HPSEB	State Sector	Hydro	126.00		
			KASHANG INTEGRATED HEP	HPPCL	State Sector	Hydro	195.00	
			SANJAY HPS	HPSEB	State Sector	Hydro	120.00	
			SHANAN HPS	PSPCL	State Sector	Hydro	110.00	
			ALLAIN DUHANGAN HPS	ADHPL	Private Sector	Hydro	192.00	
			BASPA HPS	HBPCL	Private Sector	Hydro	300.00	
			BUDHIL HPS	GBHPPL	Private Sector	Hydro	70.00	
			KARCHAM WANGTOO HPS	HBPCL	Private Sector	Hydro	1045.00	
			CHANJU-I HPS	IAEPL	Private Sector	Hydro	36.00	
			MALANA HPS	MPCL	Private Sector	Hydro	86.00	
			MALANA-II HPS	E.P.P.L.	Private Sector	Hydro	100.00	
			BAIRA SIUL HPS	NHPC	Central Sector	Hydro	180.00	
			CHAMERA-I HPS	NHPC	Central Sector	Hydro	540.00	
			CHAMERA-II HPS	NHPC	Central Sector	Hydro	300.00	
			SAWRA KUDDU HPS	HPPCL	State Sector	Hydro	111.00	
			SORANG HPS	HSPCL	Private Sector	Hydro	100.00	
			BAJOLI HOLI HPS	GBHPPL	Private Sector	Hydro	180.00	
			<b>Himachal Pradesh Total</b>					<b>10263.02</b>
		Jammu & Kashmir	Jammu & Kashmir	CHUTAK HPS	NHPC	Central Sector	Hydro	44.00
				URI-I HPS	NHPC	Central Sector	Hydro	480.00
URI-II HPS	NHPC			Central Sector	Hydro	240.00		
KISHANGANGA HPS	NHPC			Central Sector	Hydro	330.00		
NIMMO BAZGO HPS	NHPC			Central Sector	Hydro	45.00		
BAGLIHAR HPS	JKSPDC			State Sector	Hydro	450.00		
BAGLIHAR II HPS	JKSPDC			State Sector	Hydro	450.00		
LOWER JHELUM HPS	JKSPDC			State Sector	Hydro	105.00		
PAMPORE GPS (Liq.)	JKSPDC			State Sector	Gas	175.00		
UPPER SINDH-II HPS	JKSPDC			State Sector	Hydro	105.00		
DULHASTI HPS	NHPC			Central Sector	Hydro	390.00		
SALAL HPS	NHPC			Central Sector	Hydro	690.00		
SEWA-II HPS	NHPC			Central Sector	Hydro	120.00		
	<b>Jammu &amp; Kashmir Total</b>							<b>3624.00</b>



	<b>Punjab</b>	<b>GH TPS (LEH.MOH.)</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Coal</b>	<b>920.00</b>
		<b>RAJPURA TPP</b>	<b>NPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1400.00</b>
		<b>ROPAR TPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Coal</b>	<b>840.00</b>
		<b>TALWANDI SABO TPP</b>	<b>TSPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1980.00</b>
		<b>MUKERIAN-I HPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>45.00</b>
		<b>MUKERIAN-II HPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>45.00</b>
		<b>MUKERIAN-III HPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>58.50</b>
		<b>MUKERIAN-IV HPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>58.50</b>
		<b>ANANDPUR SAHIB-I HPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>67.00</b>
		<b>ANANDPUR SAHIB-II HPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>67.00</b>
		<b>GANGUWAL HPS</b>	<b>BBMB</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>77.65</b>
		<b>KOTLA HPS</b>	<b>BBMB</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>77.65</b>
		<b>RANJIT SAGAR HPS</b>	<b>PSPCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>600.00</b>
		<b>GOINDWAL SAHIB TPP</b>	<b>GPGL (GVK)</b>	<b>Private Sector</b>	<b>Coal</b>	<b>540.00</b>
	<b>Punjab Total</b>					<b>6776.30</b>
	<b>Rajasthan</b>	<b>ANTA CCPP</b>	<b>NTPC</b>	<b>Central Sector</b>	<b>Gas</b>	<b>419.33</b>
		<b>BARSINGAR LIGNITE</b>	<b>NLC</b>	<b>Central Sector</b>	<b>Lignite</b>	<b>250.00</b>
		<b>DAE (RAJASTHAN)</b>	<b>DAE</b>	<b>Central Sector</b>	<b>Nuclear</b>	<b>100.00</b>
		<b>GIRAL TPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Lignite</b>	<b>250.00</b>
		<b>JALIPA KAPURDI TPP</b>	<b>JSWBL</b>	<b>Private Sector</b>	<b>Lignite</b>	<b>1080.00</b>
		<b>KALISINDH TPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1200.00</b>
		<b>KAWAI TPS</b>	<b>APL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1320.00</b>
		<b>KOTA TPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1240.00</b>
		<b>SURATGARH TPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1500.00</b>
		<b>MAHI BAJAJ-I HPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>50.00</b>
		<b>MAHI BAJAJ-II HPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>90.00</b>
		<b>DHOLPUR CCPP</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Gas</b>	<b>330.00</b>
		<b>JAWAHAR SAGAR HPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>99.00</b>
		<b>R P SAGAR HPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>172.00</b>
		<b>RAMGARH CCPP</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Gas</b>	<b>273.50</b>
		<b>RAJASTHAN A.P.S.</b>	<b>NPCIL</b>	<b>Central Sector</b>	<b>Nuclear</b>	<b>1080.00</b>
		<b>SURATGARH STPS</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1320.00</b>
		<b>CHHABRA-I PH-1 TPP</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>500.00</b>
		<b>CHHABRA-I PH-2 TPP</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>500.00</b>
		<b>CHHABRA-II TPP</b>	<b>RRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1320.00</b>
	<b>Rajasthan Total</b>					<b>13093.83</b>
	<b>Uttarakhand</b>	<b>GAMA CCPP</b>	<b>GIPL</b>	<b>Private Sector</b>	<b>Gas</b>	<b>225.00</b>
		<b>KOTESHWAR HPS</b>	<b>THDC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>400.00</b>
		<b>SINGOLI BHATWARI HPS</b>	<b>L&amp;T UHL</b>	<b>Private Sector</b>	<b>Hydro</b>	<b>99.00</b>
		<b>DHAKRANI HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>33.75</b>
		<b>DHALIPUR HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>51.00</b>
		<b>CHIBRO (YAMUNA) HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>240.00</b>
		<b>CHILLA HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>144.00</b>
		<b>KHATIMA HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>41.40</b>
		<b>KHODRI HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>120.00</b>
		<b>KULHAL HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>MANERI BHALI-I HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>90.00</b>
		<b>MANERI BHALI-II HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>304.00</b>
		<b>RAMGANGA HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>198.00</b>
		<b>SHRINAGAR HPS</b>	<b>AHPC (GVK)</b>	<b>Private Sector</b>	<b>Hydro</b>	<b>330.00</b>
		<b>VISHNU PRAYAG HPS</b>	<b>JPPVL</b>	<b>Private Sector</b>	<b>Hydro</b>	<b>400.00</b>
		<b>KASHIPUR CCPP</b>	<b>SrEPL</b>	<b>Private Sector</b>	<b>Gas</b>	<b>225.00</b>
		<b>DHAULI GANGA HPS</b>	<b>NHPC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>280.00</b>
		<b>TANAKPUR HPS</b>	<b>NHPC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>94.20</b>
		<b>TEHRI ST-1 HPS</b>	<b>THDC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>1000.00</b>
		<b>VYASI HPS</b>	<b>UJVNL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>120.00</b>
	<b>Uttarakhand Total</b>					<b>4425.35</b>
	<b>Uttar Pradesh</b>	<b>ANPARA C TPS</b>	<b>LAPPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1200.00</b>
		<b>ANPARA TPS</b>	<b>UPRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>2630.00</b>
		<b>AURAIYA CCPP</b>	<b>NTPC</b>	<b>Central Sector</b>	<b>Gas</b>	<b>663.36</b>
		<b>BARKHERA TPS</b>	<b>BEPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>90.00</b>
		<b>DADRI (NCTPP)</b>	<b>NTPC</b>	<b>Central Sector</b>	<b>Coal</b>	<b>1820.00</b>
		<b>DADRI CCPP</b>	<b>NTPC</b>	<b>Central Sector</b>	<b>Gas</b>	<b>829.78</b>
		<b>HARDUAGANJ TPS</b>	<b>UPRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1265.00</b>
		<b>KHAMBARKHERA TPS</b>	<b>BEPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>90.00</b>
		<b>KUNDARKI TPS</b>	<b>BEPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>90.00</b>
		<b>LALITPUR TPS</b>	<b>LPGL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1980.00</b>
		<b>MAQSODPUR TPS</b>	<b>BEPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>90.00</b>
		<b>OBRA TPS</b>	<b>UPRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1094.00</b>
		<b>PARICHHA TPS</b>	<b>UPRVUNL</b>	<b>State Sector</b>	<b>Coal</b>	<b>1140.00</b>

		PRAYAGRAJ TPP	PPGCL (Jaypee)	Private Sector	Coal	1980.00
		RIHAND STPS	NTPC	Central Sector	Coal	3000.00
		ROSA TPP Ph-I	RPSCCL	Private Sector	Coal	1200.00
		SINGRAULI STPS	NTPC	Central Sector	Coal	2000.00
		TANDA TPS	NTPC	Central Sector	Coal	1760.00
		UNCHAHAHAR TPS	NTPC	Central Sector	Coal	1550.00
		UTRAULA TPS	BEPL	Private Sector	Coal	90.00
		MEJA STPP	MUNPL	Central Sector	Coal	1320.00
		KHARA HPS	UPJVNL	State Sector	Hydro	72.00
		MATATILA HPS	UPJVNL	State Sector	Hydro	30.60
		OBRA HPS	UPJVNL	State Sector	Hydro	99.00
		RIHAND HPS	UPJVNL	State Sector	Hydro	300.00
		NARORA A.P.S.	NPCIL	Central Sector	Nuclear	440.00
	<b>Uttar Pradesh Total</b>					<b>26823.74</b>
<b>NR Total</b>						<b>72976.23</b>
<b>WR</b>	<b>Chhattisgarh</b>	<b>AKALTARA TPS</b>	<b>WPCL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1800.00</b>
		AVANTHA BHANDAR	REGL	Private Sector	Coal	600.00
		BALCO TPS	BALCO	Private Sector	Coal	600.00
		BANDAKHAR TPP	MCCPL	Private Sector	Coal	300.00
		BARADARHA TPS	DBPCL	Private Sector	Coal	1200.00
		BHILAI TPS	NSPCL	Central Sector	Coal	500.00
		BINJKOTE TPP	SKS	Private Sector	Coal	600.00
		CHAKABURA TPP	ACB	Private Sector	Coal	30.00
		DSPM TPS	CSPGCL	State Sector	Coal	500.00
		KASAIPALLI TPP	ACB	Private Sector	Coal	270.00
		KATGHORA TPP	VESPL	Private Sector	Coal	35.00
		KORBA STPS	NTPC	Central Sector	Coal	2600.00
		KORBA-WEST TPS	CSPGCL	State Sector	Coal	1340.00
		MARWA TPS	CSPGCL	State Sector	Coal	1000.00
		NAWAPARA TPP	TRNE	Private Sector	Coal	600.00
		OP JINDAL TPS	JPL	Private Sector	Coal	1000.00
		PATHADI TPP	LANCO	Private Sector	Coal	600.00
		RAIKHEDA TPP	GCEL	Private Sector	Coal	1370.00
		RATIJA TPS	SCPL	Private Sector	Coal	100.00
		SALORA TPP	VVL	Private Sector	Coal	135.00
		SIPAT STPS	NTPC	Central Sector	Coal	2980.00
		SVPL TPP	SVPPL	Private Sector	Coal	63.00
		SWASTIK KORBA TPP	ACB	Private Sector	Coal	25.00
		TAMNAR TPP	JPL	Private Sector	Coal	2400.00
		UCHPINDA TPP	RKMPPL	Private Sector	Coal	1440.00
		LARA TPP	NTPC	Central Sector	Coal	1600.00
		HASDEOBANGO HPS	CSPGCL	State Sector	Hydro	120.00
	<b>Chhattisgarh Total</b>					<b>23808.00</b>
	<b>Goa</b>	<b>GOA CCPP (Liq.)</b>	<b>RELIANCE</b>	<b>Private Sector</b>	<b>Gas</b>	<b>48.00</b>
	<b>Goa Total</b>					<b>48.00</b>
	<b>Gujarat</b>	<b>AKRIMOTA LIG TPS</b>	<b>GMDCL</b>	<b>State Sector</b>	<b>Lignite</b>	<b>250.00</b>
		BHAVNAGAR CFBC TPP	GSECL	State Sector	Lignite	500.00
		GANDHAR CCPP	NTPC	Central Sector	Gas	657.39
		GANDHI NAGAR TPS	GSECL	State Sector	Coal	630.00
		HAZIRA CCPP EXT	GSEGL	State Sector	Gas	351.00
		KAKRAPARA	NPCIL	Central Sector	Nuclear	440.00
		KAWAS CCPP	NTPC	Central Sector	Gas	656.20
		KUTCH LIG. TPS	GSECL	State Sector	Lignite	150.00
		MUNDRA UMTTP	CGPL	Private Sector	Coal	4000.00
		SABARMATI (D-F STATIONS)	TOR. POW. (UNOSUGEN)	Private Sector	Coal	362.00
		SALAYA TPP	EPGL	Private Sector	Coal	1200.00
		SIKKA REP. TPS	GSECL	State Sector	Coal	500.00
		SURAT LIG. TPS	GIPCL	Private Sector	Lignite	500.00
		UKAI TPS	GSECL	State Sector	Coal	1110.00
		WANAKBORI TPS	GSECL	State Sector	Coal	2270.00
		MUNDRA TPS-I & II	APL	Private Sector	Coal	2640.00
		MUNDRA TPS-III	APL	Private Sector	Coal	1980.00
		DHUVARAN CCPP	GSECL	State Sector	Gas	594.72
		HAZIRA CCPP	GSEGL	State Sector	Gas	156.10
		KADANA HPS	GSECL	State Sector	Hydro	240.00
		PIPAVAV CCPP	GPPCL	State Sector	Gas	702.00
		S SAROVAR CHPH HPS	SSNNL	State Sector	Hydro	250.00
		S SAROVAR RBPH HPS	SSNNL	State Sector	Hydro	1200.00

		UKAI HPS	GSECL	State Sector	Hydro	300.00
		UTRAN CCPP	GSECL	State Sector	Gas	374.00
		BARODA CCPP	GIPCL	Private Sector	Gas	160.00
		DGEN MEGA CCPP	TOR. POW. (UNOSUGEN)	Private Sector	Gas	1200.00
		ESSAR CCPP	ESSAR	Private Sector	Gas	515.00
		PEGUTHAN CCPP	CLPINDIA	Private Sector	Gas	655.00
		SUGEN CCPP	TOR. POW. (SUGEN)	Private Sector	Gas	1147.50
		UNOSUGEN CCPP	TOR. POW. (UNOSUGEN)	Private Sector	Gas	382.50
	<b>Gujarat Total</b>					<b>26073.41</b>
	<b>Madhya Pradesh</b>	AMARKANTAK EXT TPS	MPPGCL	State Sector	Coal	210.00
		ANUPPUR TPP	MBPMPL	Private Sector	Coal	1200.00
		BANSAGAR TONS-I HPS	MPPGCL	State Sector	Hydro	315.00
		BINA TPS	JPPVL	Private Sector	Coal	500.00
		MAHAN TPP	ESSARPMPL	Private Sector	Coal	1200.00
		NIGRI TPP	JPPVL	Private Sector	Coal	1320.00
		NIWARI TPP	BLAPPL	Private Sector	Coal	90.00
		SANJAY GANDHI TPS	MPPGCL	State Sector	Coal	1340.00
		SASAN UMTTP	SPL	Private Sector	Coal	3960.00
		SATPURA TPS	MPPGCL	State Sector	Coal	1330.00
		SEIONI TPP	JHAPL	Private Sector	Coal	600.00
		VINDHYACHAL STPS	NTPC	Central Sector	Coal	4760.00
		BANSAGAR-II HPS	MPPGCL	State Sector	Hydro	30.00
		BANSAGAR-III HPS	MPPGCL	State Sector	Hydro	60.00
		SHREE SINGAJI TPP	MPPGCL	State Sector	Coal	2520.00
		GADARWARA TPP	NTPC	Central Sector	Coal	1600.00
		KHARGONE STPP	NTPC	Central Sector	Coal	1320.00
		BARGI HPS	MPPGCL	State Sector	Hydro	90.00
		GANDHI SAGAR HPS	MPPGCL	State Sector	Hydro	115.00
		MADHIKHERA HPS	MPPGCL	State Sector	Hydro	60.00
		RAJGHAT HPS	MPPGCL	State Sector	Hydro	45.00
		OMKARESHWAR HPS	NHDC	Central Sector	Hydro	520.00
		INDIRA SAGAR HPS	NHDC	Central Sector	Hydro	1000.00
	<b>Madhya Pradesh Total</b>					<b>24185.00</b>
	<b>Maharashtra</b>	BELA TPS	IEPL	Private Sector	Coal	270.00
		BHUSAWAL TPS	MAHAGENCO	State Sector	Coal	1210.00
		BUTIBORI TPP	VIP	Private Sector	Coal	600.00
		CHANDRAPUR(MAHARASHTRA) STPS	MAHAGENCO	State Sector	Coal	2920.00
		DAHANU TPS	AEML	Private Sector	Coal	500.00
		DHARIWAL TPP	DIL	Private Sector	Coal	600.00
		GEPL TPP Ph-I	GEPL	Private Sector	Coal	120.00
		GMR WARORA TPS	GMR ENERG	Private Sector	Coal	600.00
		JSW RATNAGIRI TPP	JSWEL	Private Sector	Coal	300.00
		KHAPARKHEDA TPS	MAHAGENCO	State Sector	Coal	1340.00
		KORADI TPS	MAHAGENCO	State Sector	Coal	2190.00
		MANGAON CCPP	PGPL	Private Sector	Gas	388.00
		MAUDA TPS	NTPC	Central Sector	Coal	2320.00
		MIHAN TPS	AMNEPL	Private Sector	Coal	246.00
		NASIK (P) TPS	STPL	Private Sector	Coal	1350.00
		NASIK TPS	MAHAGENCO	State Sector	Coal	630.00
		PARAS TPS	MAHAGENCO	State Sector	Coal	500.00
		PARLI TPS	MAHAGENCO	State Sector	Coal	750.00
		RATNAGIRI CCPP	RGPPL	Central Sector	Gas	1967.08
		SOLAPUR STPS	NTPC	Central Sector	Coal	1320.00
		TARAPUR	NPCIL	Central Sector	Nuclear	1400.00
		TIRORA TPS	APL	Private Sector	Coal	3300.00
		TROMBAY TPS	TATA PCL	Private Sector	Coal	750.00
		WARDHA WARORA TPP	WPCL	Private Sector	Coal	540.00
		SHIRPUR TPP	SPPL	Private Sector	Coal	150.00
		PENCH HPS	MPPGCL	State Sector	Hydro	160.00
		BHIRA TAIL RACE HPS	MAHAGENCO	State Sector	Hydro	80.00
		GHATGHAR PSS HPS	MAHAGENCO	State Sector	Hydro	250.00
		KOYNA DPH HPS	MAHAGENCO	State Sector	Hydro	36.00
		KOYNA-I&II HPS	MAHAGENCO	State Sector	Hydro	600.00
		KOYNA-III HPS	MAHAGENCO	State Sector	Hydro	320.00
		KOYNA-IV HPS	MAHAGENCO	State Sector	Hydro	1000.00

		TILLARI HPS	MAHAGENCO	State Sector	Hydro	60.00
		URAN CCPP	MAHAGENCO	State Sector	Gas	672.00
		VAITARNA HPS	MAHAGENCO	State Sector	Hydro	60.00
		AMRAVATI TPS	RATTANINDIA	Private Sector	Coal	1350.00
		BHIRA HPS	TATA MAH.	Private Sector	Hydro	150.00
		BHIRA PSS HPS	TATA MAH.	Private Sector	Hydro	150.00
		BHIVPURI HPS	TATA MAH.	Private Sector	Hydro	75.00
		KHOPOLI HPS	TATA MAH.	Private Sector	Hydro	72.00
		BHANDARDHARA HPS ST-II	DLHP	Private Sector	Hydro	34.00
		TROMBAY CCPP	TATA PCL	Private Sector	Gas	180.00
	<b>Maharashtra Total</b>					<b>31510.08</b>
<b>WR Total</b>						<b>105624.49</b>
<b>SR</b>	<b>Andhra Pradesh</b>	DAMODARAM SANJEEVAIAH TPS	APPDCL	State Sector	Coal	1600.00
		Dr. N.TATA RAO TPS	APGENCO	State Sector	Coal	1760.00
		GMR Energy Ltd - Kakinada	GMR ENERG	Private Sector	Gas	220.00
		JEGURUPADU CCPP PH I	APEPDCL	State Sector	Gas	235.40
		JEGURUPADU CCPP PH II	GVKP&IL	Private Sector	Gas	220.00
		NAGARJUN SGR RBC HPS	APGENCO	State Sector	Hydro	90.00
		NAGARJUN SGR TPD	APGENCO	State Sector	Hydro	50.00
		PAINAMPURAM TPP	SEIL	Private Sector	Coal	1320.00
		RAYALASEEMA TPS	APGENCO	State Sector	Coal	1650.00
		SGPL TPP	SEIL	Private Sector	Coal	1320.00
		SIMHADRI	NTPC	Central Sector	Coal	2000.00
		SIMHAPURI TPS	SEPL	Private Sector	Coal	600.00
		THAMMINAPATNAM TPS	MEL	Private Sector	Coal	300.00
		UPPER SILERU HPS	APGENCO	State Sector	Hydro	240.00
		VIZAG TPP	HNPC	Private Sector	Coal	1040.00
		SRISAILAM HPS	APGENCO	State Sector	Hydro	770.00
		LOWER SILERU HPS	APGENCO	State Sector	Hydro	460.00
		GAUTAMI CCPP	GAUTAMI	Private Sector	Gas	464.00
		KONDAPALLI ST-3 CCPP	KONDAPALI	Private Sector	Gas	742.00
		GODAVARI CCPP	SPGL	Private Sector	Gas	208.00
		GREL CCPP (Rajahmundry)	GREL	Private Sector	Gas	768.00
		KONASEEMA CCPP	KONA	Private Sector	Gas	445.00
		KONDAPALLI CCPP	KONDAPALI	Private Sector	Gas	368.14
		KONDAPALLI EXTN CCPP	KONDAPALI	Private Sector	Gas	366.00
		PEDDAPURAM CCPP	BSES AP	Private Sector	Gas	220.00
		VEMAGIRI CCPP	VEMAGIRI	Private Sector	Gas	370.00
		VIJESWARAM CCPP	APGPCL	Private Sector	Gas	272.00
		LVS POWER DG	LVS POWER	Private Sector	Diesel	36.80
	<b>Andhra Pradesh Total</b>					<b>18135.34</b>
	<b>Karnataka</b>	BELLARY TPS	KPCL	State Sector	Coal	1700.00
		GERUSUPPA HPS	KPCL	State Sector	Hydro	240.00
		KAIGA	NPCIL	Central Sector	Nuclear	880.00
		KUDGI STPP	NTPC	Central Sector	Coal	2400.00
		RAICHUR TPS	KPCL	State Sector	Coal	1720.00
		TORANGALLU TPS(SBU-I)	JSWEL	Private Sector	Coal	260.00
		TORANGALLU TPS(SBU-II)	JSWEL	Private Sector	Coal	600.00
		UDUPI TPP	UPCL	Private Sector	Coal	1200.00
		VARAHI HPS	KPCL	State Sector	Hydro	460.00
		YERMARUS TPP	RPCL	State Sector	Coal	1600.00
		ALMATTI DPH HPS	KPCL	State Sector	Hydro	290.00
		BHADRA HPS	KPCL	State Sector	Hydro	26.00
		GHAT PRABHA HPS	KPCL	State Sector	Hydro	32.00
		HAMPI HPS	APGENCO	State Sector	Hydro	36.00
		JOG HPS	KPCL	State Sector	Hydro	139.20
		KADRA HPS	KPCL	State Sector	Hydro	150.00
		KALINADI HPS	KPCL	State Sector	Hydro	900.00
		KALINADI SUPA HPS	KPCL	State Sector	Hydro	100.00
		KODASALI HPS	KPCL	State Sector	Hydro	120.00
		LIGANAMAKKI HPS	KPCL	State Sector	Hydro	55.00
		MUNIRABAD HPS	KPCL	State Sector	Hydro	28.00
		SHARAVATHI HPS	KPCL	State Sector	Hydro	1035.00
		SIVASAMUNDRUM HPS	KPCL	State Sector	Hydro	42.00
		T B DAM HPS	APGENCO	State Sector	Hydro	36.00
		BELLARY DG	BELLARY	Private Sector	Diesel	25.20
	<b>Karnataka Total</b>					<b>14074.40</b>

	<b>Kerala</b>	<b>R. GANDHI CCPP (Liq.)</b>	<b>NTPC</b>	<b>Central Sector</b>	<b>Gas</b>	<b>359.58</b>
		<b>IDAMALAYAR HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>75.00</b>
		<b>IDUKKI HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>780.00</b>
		<b>KAKKAD HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>50.00</b>
		<b>KUTTIYADI ADDL EXTN</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>100.00</b>
		<b>KUTTIYADI HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>75.00</b>
		<b>KUTTIYADI EXTN HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>50.00</b>
		<b>LOWER PERIYAR HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>180.00</b>
		<b>NARIAMANGLAM HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>52.65</b>
		<b>PALLIVASAL HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>37.50</b>
		<b>PANNIAR HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>PORINGALKUTTU HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>32.00</b>
		<b>SABARIGIRI HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>300.00</b>
		<b>SENGULAM HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>48.00</b>
		<b>SHOLAYAR HPS</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Hydro</b>	<b>54.00</b>
		<b>KOZHIKODE DG</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Diesel</b>	<b>96.00</b>
		<b>BRAMHAPURAM DG</b>	<b>KSEB</b>	<b>State Sector</b>	<b>Diesel</b>	<b>63.96</b>
		<b>COCHIN CCPP (Liq.)</b>	<b>BSES(C)</b>	<b>Private Sector</b>	<b>Gas</b>	<b>174.00</b>
	<b>Kerala Total</b>					<b>2557.69</b>
	<b>Tamil Nadu</b>	<b>BHAWANI BARRAGE-II HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>BHAWANI BARRAGE-III HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>ITPCL TPP</b>	<b>ITPCL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1200.00</b>
		<b>KUTTALAM CCPP</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Gas</b>	<b>100.00</b>
		<b>METTUR TPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Coal</b>	<b>840.00</b>
		<b>METTUR TPS-II</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Coal</b>	<b>600.00</b>
		<b>MUTHIARA TPP</b>	<b>CEPL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>1200.00</b>
		<b>NARIMANAM GPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Gas</b>	<b>10.00</b>
		<b>NEYVELI ( EXT) TPS</b>	<b>NLC</b>	<b>Central Sector</b>	<b>Lignite</b>	<b>420.00</b>
		<b>NEYVELI TPS(Z)</b>	<b>ST-CMSECP</b>	<b>Private Sector</b>	<b>Lignite</b>	<b>250.00</b>
		<b>NEYVELI TPS-II</b>	<b>NLC</b>	<b>Central Sector</b>	<b>Lignite</b>	<b>1470.00</b>
		<b>NEYVELI TPS-II EXP</b>	<b>NLC</b>	<b>Central Sector</b>	<b>Lignite</b>	<b>500.00</b>
		<b>NORTH CHENNAI TPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Coal</b>	<b>1830.00</b>
		<b>SHOLAYAR HPS (TN)</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>70.00</b>
		<b>TUTICORIN (P) TPP</b>	<b>IBPIL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>300.00</b>
		<b>TUTICORIN TPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Coal</b>	<b>1050.00</b>
		<b>VALLUR TPP</b>	<b>NTECL</b>	<b>Central Sector</b>	<b>Coal</b>	<b>1500.00</b>
		<b>NEYVELI NEW TPP</b>	<b>NLC</b>	<b>Central Sector</b>	<b>Lignite</b>	<b>1000.00</b>
		<b>ALIYAR HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>60.00</b>
		<b>BASIN BRIDGE GT (Liq.)</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Gas</b>	<b>120.00</b>
		<b>BHAWANI KATTAL</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>KADAMPARI HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>400.00</b>
		<b>KODAYAR-I HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>60.00</b>
		<b>KODAYAR-II HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>40.00</b>
		<b>KOVIKALPAL CCPP</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Gas</b>	<b>107.88</b>
		<b>KUNDAH-I HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>60.00</b>
		<b>KUNDAH-II HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>175.00</b>
		<b>KUNDAH-III HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>180.00</b>
		<b>KUNDAH-IV HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>100.00</b>
		<b>KUNDAH-V HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>40.00</b>
		<b>LOWER METTUR-I HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>LOWER METTUR-II HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>LOWER METTUR-III HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>LOWER METTUR-IV HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>METTUR DAM HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>50.00</b>
		<b>METTUR TUNNEL HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>200.00</b>
		<b>MOYAR HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>36.00</b>
		<b>PAPANASAM HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>32.00</b>
		<b>PARSON'S VALLEY HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>PERIYAR HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>161.00</b>
		<b>PYKARA HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>59.20</b>
		<b>PYKARA ULTMATE HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>150.00</b>
		<b>SARKARPATHY HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>30.00</b>
		<b>SURULIYAR HPS</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Hydro</b>	<b>35.00</b>
		<b>VALUTHUR CCPP</b>	<b>TANGEDCO</b>	<b>State Sector</b>	<b>Gas</b>	<b>186.20</b>
		<b>KARUPPUR CCPP</b>	<b>ABAN POWR</b>	<b>Private Sector</b>	<b>Gas</b>	<b>119.80</b>
		<b>P.NALLUR CCPP</b>	<b>PPNPGCL</b>	<b>Private Sector</b>	<b>Gas</b>	<b>330.50</b>
		<b>VALANTARVY CCPP</b>	<b>PENNA</b>	<b>Private Sector</b>	<b>Gas</b>	<b>52.80</b>
		<b>SAMAYANALLUR DG</b>	<b>MADURAI P</b>	<b>Private Sector</b>	<b>Diesel</b>	<b>106.00</b>
		<b>SAMALPATTI DG</b>	<b>SAMALPATI</b>	<b>Private Sector</b>	<b>Diesel</b>	<b>105.70</b>
		<b>KUDANKULAM</b>	<b>NPCIL</b>	<b>Central Sector</b>	<b>Nuclear</b>	<b>2000.00</b>

		MADRAS A.P.S.	NPCIL	Central Sector	Nuclear	440.00
		NTPL TUTICORIN TPP	NTPL	Central Sector	Coal	1000.00
		TUTICORIN TPP ST-IV	SPPL	Private Sector	Coal	525.00
	<b>Tamil Nadu Total</b>					<b>19542.08</b>
	<b>Telangana</b>	KAKATIYA TPS	TSGENCO	State Sector	Coal	1100.00
		KOTHAGUDEM TPS (NEW)	TSGENCO	State Sector	Coal	1000.00
		NAGARJUN SGR LBC HPS	TSGENCO	State Sector	Hydro	60.00
		PULICHINTALA HPS	TSGENCO	State Sector	Hydro	120.00
		RAMAGUNDEM STPS	NTPC	Central Sector	Coal	2600.00
		SINGARENI TPP	SCCL	State Sector	Coal	1200.00
		KOTHAGUDEM TPS (STAGE-7)	TSGENCO	State Sector	Coal	800.00
		BHADRADRI TPP	TSGENCO	State Sector	Coal	1080.00
		NAGARJUN SGR HPS	TSGENCO	State Sector	Hydro	815.60
		POCHAMPAD HPS	TSGENCO	State Sector	Hydro	36.00
		PRIYADARSHNI JURALA HPS	TSGENCO	State Sector	Hydro	234.00
		LOWER JURALA HPS	TSGENCO	State Sector	Hydro	240.00
		RAMAGUNDEM-B TPS	TSGENCO	State Sector	Coal	62.50
		SRISAILAM LB HPS	TSGENCO	State Sector	Hydro	900.00
	<b>Telangana Total</b>					<b>10248.10</b>
	<b>Puducherry</b>	KARAİKAL CCPP	P&ED, Pudu.	State Sector	Gas	32.50
	<b>Puducherry Total</b>					<b>32.50</b>
	<b>SR Total</b>					<b>64590.12</b>
<b>ER</b>	<b>Bihar</b>	BARAUNI TPS	NTPC	Central Sector	Coal	710.00
		KAHALGAON TPS	NTPC	Central Sector	Coal	2340.00
		MUZAFFARPUR TPS	K.B.U.N.L	Central Sector	Coal	390.00
		NABINAGAR STPP	NPGCL	Central Sector	Coal	1980.00
		NABINAGAR TPP	BRBCL	Central Sector	Coal	1000.00
		BARH STPS	NTPC	Central Sector	Coal	1980.00
	<b>Bihar Total</b>					<b>8400.00</b>
	<b>Jharkhand</b>	BOKARO TPS `A` EXP	DVC	Central Sector	Coal	500.00
		CHANDRAPURA(DVC) TPS	DVC	Central Sector	Coal	500.00
		JOJOBERA TPS	TATA PCL	Private Sector	Coal	240.00
		KODARMA TPP	DVC	Central Sector	Coal	1000.00
		MAHADEV PRASAD STPP	ADHUNIK	Private Sector	Coal	540.00
		MAITHON RB TPP	MPL	Private Sector	Coal	1050.00
		TENUGHAT TPS	TVNL	State Sector	Coal	420.00
		SUBERNREKHA-I HPS	JUUNL	State Sector	Hydro	65.00
		SUBERNREKHA-II HPS	JUUNL	State Sector	Hydro	65.00
		PANCHET HPS	DVC	Central Sector	Hydro	80.00
	<b>Jharkhand Total</b>					<b>4460.00</b>
	<b>Odisha</b>	CHIPLIMA HPS	OHPC	State Sector	Hydro	72.00
		DERANG TPP	JITPL	Private Sector	Coal	1200.00
		HIRAKUD HPS	OHPC	State Sector	Hydro	287.80
		IB VALLEY TPS	OPGC	State Sector	Coal	1740.00
		KAMALANGA TPS	GMR ENERG	Private Sector	Coal	1050.00
		TALCHER STPS	NTPC	Central Sector	Coal	3000.00
		UTKAL TPP (IND BARATH)	IBPIL	Private Sector	Coal	350.00
		DARLIPALI STPS	NTPC	Central Sector	Coal	1600.00
		BALIMELA HPS	OHPC	State Sector	Hydro	510.00
		MACHKUND HPS	APGENCO	State Sector	Hydro	114.75
		RENGALI HPS	OHPC	State Sector	Hydro	250.00
		UPPER INDRAVATI HPS	OHPC	State Sector	Hydro	600.00
		UPPER KOLAB HPS	OHPC	State Sector	Hydro	320.00
		VEDANTA TPP	VEDANTA	Private Sector	Coal	600.00
	<b>Odisha Total</b>					<b>11694.55</b>
	<b>Sikkim</b>	DIKCHU HPS	SKPPPL	Private Sector	Hydro	96.00
		RANGIT HPS	NHPC	Central Sector	Hydro	60.00
		TEESTA V HPS	NHPC	Central Sector	Hydro	510.00
		TEESTA-III HPS	TUL	State Sector	Hydro	1200.00
		TASHIDING HPS	SEPL	Private Sector	Hydro	97.00
		CHUZACHEN HPS	GIPL	Private Sector	Hydro	110.00
		JORETHANG LOOP	DEPL	Private Sector	Hydro	96.00
		RONGNICHU HPS	MBPCL	Private Sector	Hydro	113.00
	<b>Sikkim Total</b>					<b>2282.00</b>
	<b>West Bengal</b>	BAKRESWAR TPS	WBPDC	State Sector	Coal	1050.00
		BANDEL TPS	WBPDC	State Sector	Coal	270.00
		BUDGE BUDGE TPS	CESC	Private Sector	Coal	750.00
		D.P.L. TPS	DPL	State Sector	Coal	550.00
		DURGAPUR STEEL TPS	DVC	Central Sector	Coal	1000.00
		DURGAPUR TPS	DVC	Central Sector	Coal	210.00



		<b>FARAKKA STPS</b>	<b>NTPC</b>	<b>Central Sector</b>	<b>Coal</b>	<b>2100.00</b>
		<b>HALDIA TPP</b>	<b>HEL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>600.00</b>
		<b>KOLAGHAT TPS</b>	<b>WBPDC</b>	<b>State Sector</b>	<b>Coal</b>	<b>840.00</b>
		<b>MEJIA TPS</b>	<b>DVC</b>	<b>Central Sector</b>	<b>Coal</b>	<b>2340.00</b>
		<b>RAGHUNATHPUR TPP</b>	<b>DVC</b>	<b>Central Sector</b>	<b>Coal</b>	<b>1200.00</b>
		<b>RAMMAM HPS</b>	<b>WBSIEDCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>50.00</b>
		<b>SAGARDIGHI TPS</b>	<b>WBPDC</b>	<b>State Sector</b>	<b>Coal</b>	<b>1600.00</b>
		<b>SANTALDIH TPS</b>	<b>WBPDC</b>	<b>State Sector</b>	<b>Coal</b>	<b>500.00</b>
		<b>SOUTHERN REPL. TPS</b>	<b>CESC</b>	<b>Private Sector</b>	<b>Coal</b>	<b>135.00</b>
		<b>TEESTA LOW DAM-III HPS</b>	<b>NHPC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>132.00</b>
		<b>TEESTA LOW DAM-IV HPS</b>	<b>NHPC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>160.00</b>
		<b>TITAGARH TPS</b>	<b>CESC</b>	<b>Private Sector</b>	<b>Coal</b>	<b>240.00</b>
		<b>HIRANMAYE TPP</b>	<b>HMEL</b>	<b>Private Sector</b>	<b>Coal</b>	<b>300.00</b>
		<b>DISHERGARH TPP</b>	<b>DPSC LTD</b>	<b>Private Sector</b>	<b>Coal</b>	<b>12.00</b>
		<b>HALDIA GT (Liq.)</b>	<b>WBPDC</b>	<b>State Sector</b>	<b>Gas</b>	<b>40.00</b>
		<b>JALDHAKA HPS ST-I</b>	<b>WBSIEDCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>36.00</b>
		<b>KASBA GT (Liq.)</b>	<b>WBPDC</b>	<b>State Sector</b>	<b>Gas</b>	<b>40.00</b>
		<b>PURULIA PSS HPS</b>	<b>WBSIEDCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>900.00</b>
		<b>MAITHON HPS</b>	<b>DVC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>63.20</b>
	<b>West Bengal Total</b>					<b>15118.20</b>
	<b>Andaman &amp; Nicobar</b>	<b>AND. NICOBAR DG</b>	<b>A&amp;N ADM</b>	<b>State Sector</b>	<b>Diesel</b>	<b>40.05</b>
	<b>Andaman &amp; Nicobar Total</b>					<b>40.05</b>
<b>ER Total</b>						<b>41994.80</b>
<b>NER</b>	<b>Arunachal Pradesh</b>	<b>PARE</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>110.00</b>
		<b>KAMENG HPS</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>600.00</b>
		<b>RANGANADI HPS</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>405.00</b>
	<b>Arunachal Pradesh Total</b>					<b>1115.00</b>
	<b>Assam</b>	<b>BONGAIGAON TPP</b>	<b>NTPC</b>	<b>Central Sector</b>	<b>Coal</b>	<b>750.00</b>
		<b>KATHALGURI CCPP</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Gas</b>	<b>291.00</b>
		<b>NAMRUP CCPP</b>	<b>APGCL</b>	<b>State Sector</b>	<b>Gas</b>	<b>139.40</b>
		<b>LAKWA REPLACEMENT POWER PROJECT</b>	<b>APGCL</b>	<b>State Sector</b>	<b>Gas</b>	<b>69.76</b>
		<b>KARBI LANGPI HPS</b>	<b>APGCL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>100.00</b>
		<b>LAKWA GT</b>	<b>APGCL</b>	<b>State Sector</b>	<b>Gas</b>	<b>97.20</b>
		<b>KHONDONG HPS</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>50.00</b>
		<b>KOPILI HPS</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>200.00</b>
	<b>Assam Total</b>					<b>1697.36</b>
	<b>Manipur</b>	<b>LEIMAKHONG DG</b>	<b>ED, Manipur</b>	<b>State Sector</b>	<b>Diesel</b>	<b>36.00</b>
		<b>LOKTAK HPS</b>	<b>NHPC</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>105.00</b>
	<b>Manipur Total</b>					<b>141.00</b>
	<b>Meghalaya</b>	<b>NEW UMTRU HPS</b>	<b>MeECL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>40.00</b>
		<b>KYRDEM KULAI HPS</b>	<b>MeECL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>60.00</b>
		<b>MYNTDU (LESHKA) St-1 HPS</b>	<b>MeECL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>126.00</b>
		<b>UMIAM HPS ST-I</b>	<b>MeECL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>36.00</b>
		<b>UMIAM HPS ST-IV</b>	<b>MeECL</b>	<b>State Sector</b>	<b>Hydro</b>	<b>60.00</b>
	<b>Meghalaya Total</b>					<b>322.00</b>
	<b>Nagaland</b>	<b>DOYANG HPS</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>75.00</b>
	<b>Nagaland Total</b>					<b>75.00</b>
	<b>Tripura</b>	<b>AGARTALA GT</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Gas</b>	<b>135.00</b>
		<b>MONARCHAK CCPP</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Gas</b>	<b>101.00</b>
		<b>TRIPURA CCPP</b>	<b>ONGC</b>	<b>Central Sector</b>	<b>Gas</b>	<b>726.60</b>
		<b>BARAMURA GT</b>	<b>TSECL</b>	<b>State Sector</b>	<b>Gas</b>	<b>42.00</b>
		<b>ROKHIA GT</b>	<b>TSECL</b>	<b>State Sector</b>	<b>Gas</b>	<b>95.00</b>
	<b>Tripura Total</b>					<b>1099.60</b>
	<b>Mizoram</b>	<b>TUIRIAL HPS</b>	<b>NEEPCO.</b>	<b>Central Sector</b>	<b>Hydro</b>	<b>60.00</b>
	<b>Mizoram Total</b>					<b>60.00</b>
<b>NER Total</b>						<b>4509.96</b>
<b>Grand Total</b>						<b>289695.59</b>

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**ANNEXURE REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 798  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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State-wise installed capacity of Renewable Power as on 30.06.2022										
Sl. No.	STATES / UTs	Small Hydro Power	Wind Power	Bio-Power					Solar Power Total	Total Capacity
				BM Power/ Bagasse Cogen.	BM Cogen. (Non-Bagasse)	Waste to Energy	Waste to Energy (Off-grid)	Bio Power Total		
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	162.11	4096.65	378.10	105.57	53.16	29.21	566.04	4390.48	9215.28
2	Arunachal Pradesh	133.11						0.00	11.23	144.34
3	Assam	34.11			2.00			2.00	142.94	179.05
4	Bihar	70.70		112.50	12.20		1.32	126.02	190.69	387.41
5	Chhattisgarh	76.00		272.09	2.50		0.41	275.00	529.32	880.32
6	Goa	0.05				0.34		0.34	21.54	21.93
7	Gujarat	89.39	9419.42	65.30	12.00	7.50	24.46	109.26	7806.80	17424.87
8	Haryana	73.50		151.40	89.26	11.20	6.14	258.00	943.61	1275.11
9	Himachal Pradesh	954.11			9.20		1.00	10.20	80.56	1044.87
10	Jammu & Kashmir	144.68						0.00	47.90	192.58
11	Jharkhand	4.05			4.30			4.30	88.79	97.14
12	Karnataka	1280.73	5182.15	1867.10	20.20	1.00	13.85	1902.15	7597.92	15962.95
13	Kerala	266.52	62.50		2.27		0.23	2.50	539.60	871.12
14	Ladakh	39.64						0.00	7.80	47.44
15	Madhya Pradesh	99.71	2519.89	92.50	14.85	15.40	8.58	131.33	2746.27	5497.20
16	Maharashtra	381.08	5012.83	2568.00	16.40	12.59	35.16	2632.15	2753.30	10779.36
17	Manipur	5.45						0.00	12.26	17.71
18	Meghalaya	32.53			13.80			13.80	4.16	50.49
19	Mizoram	36.47						0.00	8.01	44.48
20	Nagaland	31.67						0.00	3.04	34.71
21	Odisha	115.63		50.40	8.82			59.22	452.13	626.98
22	Punjab	176.10		299.50	173.95	10.75	7.45	491.65	1117.99	1785.74
23	Rajasthan	23.85	4495.82	119.25	2.00		3.83	125.08	14454.70	19099.45
24	Sikkim	55.11						0.00	4.69	59.80
25	Tamil Nadu	123.05	9866.37	969.10	43.55	6.40	23.65	1042.70	5690.79	16722.91
26	Telangana	90.87	128.10	158.10	2.00	45.80	13.84	219.74	4621.07	5059.78
27	Tripura	16.01						0.00	15.87	31.88
28	Uttar Pradesh	49.10		1957.50	159.76		72.73	2189.99	2244.56	4483.65
29	Uttarakhand	218.82		72.72	57.50		9.22	139.44	573.54	931.80
30	West Bengal	98.50		300.00	19.92		2.53	322.45	176.00	596.95
31	Andaman & Nicobar	5.25						0.00	29.91	35.16
32	Chandigarh							0.00	56.85	56.85
33	Dadra & Nagar Haveli							0.00	5.46	5.46
34	Daman & Diu							0.00	41.01	41.01
35	Delhi					59.00		59.00	211.12	270.12
36	Lakshadweep							0.00	3.27	3.27
37	Pondicherry							0.00	35.53	35.53
38	Others		4.30					0.00	45.01	49.31
	<b>Total (MW)</b>	<b>4887.90</b>	<b>40788.03</b>	<b>9433.56</b>	<b>772.05</b>	<b>223.14</b>	<b>253.61</b>	<b>10682.36</b>	<b>57705.72</b>	<b>114064.005</b>

MW = Megawatt

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.816  
ANSWERED ON 21.07.2022**

**STRESSED POWER PLANTS**

**816. SHRI A. RAJA:**

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

- (a) whether many State power plants are stressed power plants requiring working capital to buy coal and start generating power in the country;**
- (b) if so, the details thereof;**
- (c) whether such power plants would be offered short-term loans from Power Finance Corporation and REC Ltd.;**
- (d) if so, the details thereof;**
- (e) the number of State power plants whose generating capacity has reduced due to shortage of supply of coal along with the steps taken by the Government to provide fuel; and**
- (f) whether the power plants are generating power at their full capacity to meet energy demand and if so, the details thereof?**

**A N S W E R**

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

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

**(a) & (b) : State Power Generating Companies (GENCOs) are generally facing delays in realization of receivables from Distribution Companies (DISCOMs) which impair their ability to service debt in a timely manner that leads to exhaustion of working capital. Depletion of working capital in turn affects Gencos ability to purchase coal.**

**(c) & (d) : The details of State sector generation companies which approached Rural Electrification Corporation Limited (REC) for working capital loan for purchase of coal is given below:**

<b>Sl. No.</b>	<b>State</b>	<b>Utility</b>	<b>Loan Amount sanctioned by REC (Rs. Cr.)</b>
<b>1.</b>	<b>Maharashtra</b>	<b>Maharashtra State Power Generation Company Limited (MSPGCL)</b>	<b>1800</b>

2.	Rajasthan	Rajasthan RajaVidyutUtpadan Nigam Limited (RRVUNL)	500
3.	Punjab	Punjab State Power Corporation Limited (PSPCL)	400
4.	Haryana	Haryana Power Generation Corporation Limited (HPGCL)	500
5.	Karnataka	Karnataka Power Corporation Limited (KPCL)	500
		<b>TOTAL</b>	<b>3700</b>

**Decision to extend any loans is taken by the lenders as per their commercial wisdom through appropriate due diligence on case to case basis.**

**(e) : The coal stock available with the Thermal Power Plants (TPPs) is monitored on daily basis by CEA. As on 31.03.2022, the coal stock was 25.6 Million Tonnes (MT) and has increased to 28.4 MT as on 17.07.2022, which is about 50% of the normative coal stock required to be maintained by the TPPs. The coal stock available as on 17.07.2022 is sufficient to run these power plants for an average of 10 days at 85% PLF.**

**Government has taken following steps to ensure smooth coal supply to power plants for unhindered power generation:-**

**(i) An Inter-Ministerial Sub-Group comprising of representatives from Ministry of Power, Ministry of Coal, Ministry of Railways, Central Electricity Authority (CEA), Coal India Limited (CIL) and Singareni Collieries Company Limited (SCCL) meet regularly to take various operational decisions to enhance supply of coal to thermal power plants as well as for meeting any contingent situations relating to Power Sector including to alleviate critical coal stock position in power plants.**

**(ii) As per the decision taken in the meeting held under the Chairmanship of Cabinet Secretary on Augmentation of coal supply and power generation capacity, a Secretary level Inter Ministerial committee has been set up to ensure that the medium and long term requirements of coal are met. The IMC comprises of Chairman Railway Board, Secretary, Ministry of Coal, Secretary, Ministry of Environment, Forests and Climate Change as members and Secretary, Ministry of Power as convenor. Further, CEA provides technical support to the IMC.**

**(iii) Ministry of Power vide OM dated 28.04.2022 has advised power plants to import coal for blending purposes during 2022-23.**

**(iv) CIL has allocated about 16 MT coal on Road cum Rail (RCR) mode to TPPs.**

**(v) Ministry of Railways has issued order to give preference to Power Sector for loading of coal from Good Shed Siding (GSS) and Private Washery.**

**(f) : The Plant Load Factor (PLF) of Coal/lignite based power plants of capacity 25 MW and above during the year 2021-22 was 58.87%. In 2022-23, the demand for electricity has been increased and power plants are generating the electricity as per schedule given to them. The PLF for Coal/lignite based power plants in FY 2022-23 upto June- 2022 is around 69.5 %.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.826  
ANSWERED ON 21.07.2022**

**FREE POWER TO BPL FAMILIES**

**826. SHRI JANARDAN SINGH SIGRIWAL:**

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

- (a) whether the Government has any proposal to give free power to BPL families who are living in houses provided under the Pradhan Mantri Awas Yojana (PMAY) in consultation with the State Governments;**
- (b) if so, the details thereof and if not, the reasons therefor; and**
- (c) the other schemes being implemented by the Government to provide benefit to poor people in the country in terms of providing electricity at reasonable rates?**

**A N S W E R**

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

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

**(a) to (c) : No Sir, providing power free of cost, or at subsidized rates to a consumer, including BPL families, is at the discretion and authority of the State Government concerned, subject to advance payment of subsidy amount, in the tariff determined by the State Electricity Regulatory Commission, as per provisions of Electricity Act, 2003. Further, tariffs for various categories of consumers are determined by the State Electricity Regulatory Commission (SERC) from time to time.**

**The cost of power includes amongst others the costs of the network infrastructure creation and augmentation. The Government of India supports the States financially for creation and augmentation of the Distribution Sector Infrastructure through various Schemes. This reduces the tariff burden on the consumers. After completion of the schemes, Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), Pradhan Mantri Sahaj Bijli Har Ghar Yojana (SAUBHAGYA) and Integrated Power Development Scheme (IPDS), a new Revamped Distribution Sector Scheme (RDSS) has recently been launched by the Government of India which proposes to fund the State Owned DISCOMs for Infrastructure creation linked to initiation of reforms and achievement of results.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.828  
ANSWERED ON 21.07.2022**

**OUTSTANDING DUES TO POWER FIRMS**

**828. SHRI MANICKAM TAGORE B.:**

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

- (a) whether it is a fact that DISCOMs owed over Rs. one lakh crore to power generation firms as on date apart from disputed amounts;**
- (b) if so, the details thereof;**
- (c) whether it is also a fact that the Central Electricity Regulatory Commission (CERC) has asked the electricity exchanges to cap prices at Rs. twelve per unit amid a surge in power demand and the rising cost of imported coal; and**
- (d) if so, the details thereof?**

**A N S W E R**

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

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

**(a) & (b) : As per data provided by the power sector Generating companies, on the PRAAPTI Portal, total over dues of DISCOMs towards Central Power Generation Stations, Independent Power Producers (IPPs) and Renewable Energy (RE) Generators and Transmission Companies (Transcos) as on 12.07.2022 are Rs.1,13,930 Cr. The details are placed at Annexure.**

**(c) & (d) : Recognizing that the increase in power prices has not led to a corresponding increase in the supply of power in Power Exchanges in wake of a significant increase in post – COVID electricity demand, the CERC has, in their order dated 1<sup>st</sup> April, 2022, and thereafter modified on 6<sup>th</sup> May, 2022 and 30<sup>th</sup> June, 2022, directed that the Power supplier can bid for power in the Power exchange in the range of Re. 0/KWH to Rs. 12/KWH only till 30<sup>th</sup> September, 2022.**

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## ANNEXURE

## ANNEXURE REFERRED TO IN REPLY TO PARTS (a) &amp; (b) OF UNSTARRED QUESTION NO. 828 ANSWERED IN THE LOK SABHA ON 21.07.2022

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Over dues of States/Discoms towards Gencos (CPSE, IPP, RE) and TRANSCOs excluding State Owned Gencos and Transcos as on 12.07.2022						
(Rs. Cr.)						
Sl. No.	State	CPSEs	IPPs	REs	TRANSCOs	Total
1	Andaman & Nicobar Islands	3	-	-	-	3
2	Andhra Pradesh	345	1757	7843	8	9953
3	Arunachal Pradesh	0	-	-	2	2
4	Assam	1	-	2	46	49
5	Bihar	20	584	90	142	836
6	Chandigarh	78	-	-	-	78
7	Chhattisgarh	1	155	27	-	183
8	Dadra & Nagar Haveli	4	-	-	-	4
9	Daman & Diu	1	402	-	-	403
10	Delhi	470	5	-	50	525
11	Goa	10	-	-	2	12
12	Gujarat	24	643	268	-	935
13	Haryana	41	645	-	5	691
14	Himachal Pradesh	8	53	-	36	97
15	Jammu & Kashmir	7945	9	-	1685	9639
16	Jharkhand	4091	-	-	38	4129
17	Karnataka	368	841	2733	10	3952
18	Kerala	61	501	-	0	562
19	Lakshadweep	-	-	-	-	-
20	Madhya Pradesh	514	2895	2373	0	5782
21	Maharashtra	218	21017	1477	1	22713
22	Manipur	50	-	-	22	72
23	Meghalaya	608	-	-	4	612
24	Mizoram	15	-	-	7	22
25	Nagaland	0	-	-	1	1
26	Odisha	0	251	3	-	254
27	Puducherry	19	-	-	-	19
28	Punjab	24	517	201	2	744
29	Rajasthan	321	959	1155	-	2435
30	Sikkim	13	-	-	22	35
31	Tamil Nadu	7908	10663	2828	930	22329
32	Telangana	1094	12708	3442	117	17361
33	Tripura	137	-	-	1	138
34	Uttar Pradesh	350	7603	20	848	8821
35	Uttarakhand	3	-	-	-	3
36	West Bengal	0	533	-	3	536
	<b>Total</b>	<b>24745</b>	<b>62741</b>	<b>22462</b>	<b>3982</b>	<b>113930</b>

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.831  
ANSWERED ON 21.07.2022**

**PERFORMANCE EVALUATION OF DDUGJY**

**†831. SHRI RODMAL NAGAR:**

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

- (a) whether the Government has evaluated the performance of the Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) across the country;**
- (b) if so, the details along with the outcomes thereof, State-wise including Madhya Pradesh;**
- (c) the number of villages electrified during the last three years and the current year;**
- (d) whether any specific steps have been taken for the electrification of the remaining villages; and**
- (e) if so, the details thereof?**

**A N S W E R**

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

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

**(a) to (e): The performance of the Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), since then closed on 31.03.2022, was regularly monitored by Ministry of Power, for the entire country including in the State of Madhya Pradesh at various levels from time to time.**

**Following steps were taken by the Government for implementation and completion of the projects:**

- i. At Central level, inter-ministerial Monitoring Committee on DDUGJY headed by the Secretary, Ministry of Power, Government of India monitored the implementation of the scheme. Besides this, the progress of scheme was also being reviewed with the States / Power Utilities in Review, Planning and Monitoring (RPM) meetings of Ministry of Power.**
- ii. At State level, a Committee under the Chairmanship of Chief Secretary monitored the progress to resolve issues relating to implementation. Further, the progress was reviewed on a monthly basis and on a fortnightly basis.**

- iii. **Rural Electrification Corporation Limited (REC), the nodal agency, monitored implementation of the scheme through its State Offices at field level. The nodal agency has recently appointed third party M/s Ernst & Young LLP, New Delhi for post implementation evaluation of DDUGJY, report of the same is under process.**
- iv. **At District level, (DISHA) District Development Coordination & Monitoring Committee meetings [under the aegis of Ministry of Rural Development and District Electricity Committee (DEC)] headed by senior-most Hon'ble Member of Parliament (Lok Sabha) of the district & other MPs of the district as co-chair with District Magistrate as Convener, reviewed the progress.**

**As reported by the States, all the inhabited un-electrified census villages across the country stand electrified as on 28th April, 2018 under DDUGJY. Under DDUGJY, 18,374 un-electrified census villages were reported to be electrified from 2014-15 till 28.04.2018. State-wise number of villages electrified under DDUGJY is available as Annexure.**

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**ANNEXURE****ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO. 831 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**STATE-WISE NUMBER OF INHABITED UNELECTRIFIED CENSUS VILLAGES ELECTRIFIED DURING THE FINANCIAL YEAR 2015-16 TO 2018-19.**

<b>Sl. No.</b>	<b>Name of the States</b>	<b>Total</b>
<b>1</b>	<b>Arunachal Pradesh</b>	<b>1,483</b>
<b>2</b>	<b>Assam</b>	<b>2,732</b>
<b>3</b>	<b>Bihar</b>	<b>2,906</b>
<b>4</b>	<b>Chhattisgarh</b>	<b>1,078</b>
<b>5</b>	<b>Himachal Pradesh</b>	<b>28</b>
<b>6</b>	<b>Jammu &amp; Kashmir</b>	<b>129</b>
<b>7</b>	<b>Jharkhand</b>	<b>2,583</b>
<b>8</b>	<b>Karnataka</b>	<b>39</b>
<b>9</b>	<b>Madhya Pradesh</b>	<b>422</b>
<b>10</b>	<b>Maharashtra</b>	<b>80</b>
<b>11</b>	<b>Manipur</b>	<b>366</b>
<b>12</b>	<b>Meghalaya</b>	<b>1,051</b>
<b>13</b>	<b>Mizoram</b>	<b>54</b>
<b>14</b>	<b>Nagaland</b>	<b>78</b>
<b>15</b>	<b>Odisha</b>	<b>3,281</b>
<b>16</b>	<b>Rajasthan</b>	<b>427</b>
<b>17</b>	<b>Tripura</b>	<b>26</b>
<b>18</b>	<b>Uttar Pradesh</b>	<b>1,498</b>
<b>19</b>	<b>Uttarakhand</b>	<b>91</b>
<b>20</b>	<b>West Bengal</b>	<b>22</b>
	<b>Total</b>	<b>18,374</b>

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.836  
ANSWERED ON 21.07.2022**

**DEVELOPMENT OF POWER PROJECTS**

**†836. SHRI SADASHIV KISAN LOKHANDE:**

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

- (a) whether the Union Government has received proposals from various State Government for the development of powers projects during the last three years and the current year;**
- (b) if so, the details thereof, State-wise;**
- (c) the action taken by the Government to grant approval to the said projects;**
- (d) the details of the power projects pending for technical and environmental clearance across the country, State-wise; and**
- (e) the steps taken by the Government to sanction the said projects?**

**A N S W E R**

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

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

**(a) to (d) : As per Section 7 of the Electricity Act 2003, any generating company may establish, operate and maintain a generating station without obtaining a license/permission under this Act, if it complies with the technical standards relating to connectivity with the grid. Accordingly, sanction of the Government is not required for setting up of thermal power projects (TPPs). However, as per Section 8 (1) of the Electricity Act, 2003, any generating company intending to set up a hydro generating station shall prepare and submit to the Central Electricity Authority (CEA) for its concurrence, a scheme estimated to involve a capital expenditure exceeding such sum (presently, ₹ 1000 crore), as may be fixed by the Central Government, from time to time, by notification.**

**A proposal of Hydro Electric Project namely Bowala Nand Prayag, with installed capacity of 300 MW, has been received from Uttarakhand Jal Vidyut Nigam Ltd. (UJVNL) for consideration of Technical Clearance by CEA.**

**The proposal for grant of prior Environmental Clearance (EC) is considered by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as per timelines provided in the Environment Impact Assessment (EIA), Notification, 2006, as amended.**

**(e) : In order to expedite examination of DPRs by various appraising groups of CEA, regular review meetings are held by Member (Hydro), CEA wherein issues with Hydroelectric Project Developers and appraising groups are resolved. Further, guidelines for examination of DPRs have also been simplified and an Online Single Window Clearance system having interface with all appraising groups for submission and examination of DPRs has been made operationalized to cut short the processing time.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.837  
ANSWERED ON 21.07.2022**

**ALLOCATION OF ELECTRICITY**

**†837. SHRI ASHOK KUMAR RAWAT:**

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

**(a) whether the Government has devised any strategy/taken any steps to allocate electricity on the basis of population; and**

**(b) if so, the details thereof?**

**A N S W E R**

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

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

**(a) & (b): Power from Central Generating Stations to beneficiary States/Union Territories is allocated in accordance with formula for allocation of power which is being treated as guidelines from April, 2000. As per these guidelines, allocation of power is made to the States/ UTs in two parts, namely firm allocation of 85% and 15% unallocated power for allocation by the Government for meeting the urgent/overall requirement.**

**The firm allocation includes allocation of 12% free power to the affected States and 1% for local area development in case of Hydro Power Stations and 10% (paid) power to the home State in case of Thermal and Nuclear Power Stations.**

**The balance (72% in case of Hydro and 75% in case of Thermal & Nuclear) power is distributed amongst the States / UTs of the region in accordance with the pattern of central plan assistance and energy consumption during the previous five years, both factors having equal weightage. Central plan assistance is determined in accordance with the Gadgil formula, in which population of the States is also taken into consideration. In case of joint venture projects, the equity contributing State gets benefit in firm allocation in accordance with their equity contribution.**

**The aforementioned guidelines for allocation of power from Central Generating Stations are applicable to the generating stations, for which PPAs have been signed upto 5th January, 2011 and for the expansion of the existing projects and for hydro projects for which PPAs are to be signed by 15.08.2022**

**After 5<sup>th</sup> January, 2011, power is to be procured by the Distribution Companies / Utilities through tariff based competitive bidding.**

**In 13 new projects of NTPC, Central Government has, in January, 2011, approved allocation of 50% of power to 'Home' State, 15% unallocated power at the disposal of Government of India and 35% to other constituents (except 'Home' State) of that region on the basis of extant guidelines on allocation of power giving equal weightage to central plan assistance and energy consumption by each State of the Region for preceding 5 years. Similar dispensation has also been provided by the Government in January, 2011 in respect of new projects of Nuclear Power Corporation.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.840  
ANSWERED ON 21.07.2022**

**POWER FOR ALL**

**840. DR. T. SUMATHY (a) THAMIZHACHITHANGAPANDIAN:**

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

- (a) the details of measures taken by the Union Government to support the Tamil Nadu Government's initiative to supply subsidised power to poor and marginal consumers as the State has already achieved hundred percent village electrification level;**
- (b) the quantum of funds allocated by the Union Government for the joint initiative called 'Power for All' with the State Government of Tamil Nadu;**
- (c) the details of achievement rate of the Union Government for providing support to the Government of Tamil Nadu for enhancing power supply infrastructure and making 24X7 reliable and quality power;**
- (d) whether the Union Government has extended any financial assistance to TANGEDCO; and**
- (e) if so, the details thereof?**

**A N S W E R**

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

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

**(a) to (e) : Government of India, Ministry of Power had taken up a joint initiative of 24X7 Power for All along with the States and prepared State/UT specific action plan documents for providing 24x7 power supply to all households, industrial & commercial consumers, and adequate supply of power to agricultural consumers as per State policy. This initiative was aimed at ensuring uninterrupted supply of quality power to existing consumers and providing access to electricity to all unconnected consumers by 2019 in a phased manner.**

**Government of India has supported the States through its various initiatives & schemes such as Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) to achieve the objective of providing uninterrupted power supply to all households. Projects worth Rs. 1413 crore and Rs. 4531 Crore have been completed by Tamil Nadu Utilities under these Schemes respectively. Under the recently launched Revamped Distribution Sector Scheme (RDSS), the State owned Power Distribution Utilities, including the one in Tamil Nadu are being funded conditional to initiation of reforms and achievement of results under a mutually decided framework, which includes hours of supply of electricity to urban and rural consumers. Projects worth Rs. 28,302 crore have been sanctioned to the State of Tamil Nadu under RDSS, which includes Rs. 19,235 crore worth of projects for prepaid Smart metering, and Rs. 9,066 crore worth of projects for Loss reduction works.**

**Further, Government of India has also facilitated extending of financial assistance of Rs. 26,426 crore to Tamil Nadu by PFC and REC under Liquidity Infusion Scheme (LIS); and, also allowed additional borrowings by the State to the extent of Rs. 7,054 crore under the 0.5% Additional borrowing scheme of the Ministry of Finance linked to Power Sector Reforms.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.861  
ANSWERED ON 21.07.2022**

**COAL IMPORT BY GENCOS**

**861. SHRI SRIDHAR KOTAGIRI:**

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

- (a) whether the Government has issued directions to all Power Generation Companies (Gencos) to place orders for coal imports by the end of May 2022;**
- (b) if so, the details thereof along with the action taken by the Gencos in this regard;**
- (c) whether the Government has imposed penalties on the Gencos who have failed to place orders for coal imports by the end of May 2022; and**
- (d) if so, the details thereof?**

**A N S W E R**

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

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

**(a) & (b) : Ministry of Power vide letter dated 28.04.2022 advised Central Gencos, State Gencos and Independent Power Producers (IPPs) to import coal for blending purpose during 2022-23. Further, in order to ensure minimum coal stocks in power plants before onset of monsoon, MoP advised all Gencos to complete placement of awards for import of coal before 31.05.2022. The utility-wise receipt of imported coal for blending purpose during 2022-23 (Apr-Jun) is at Annexure.**

**(c) & (d) : MoP vide letter dated 18.05.2022 to Gencos stated that domestic coal would be allocated proportionately to all Gencos based on likely availability of domestic coal from CIL/SCCL from 01.06.2022 and the shortfall is to be met from blending of the imported coal.**

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**ANNEXURE****ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 861 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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<b>Utility</b>	<b>Import for blending during 2022-23 (Apr-Jun) ('000 T)</b>
<b>HPGCL</b>	<b>0</b>
<b>PSPCL</b>	<b>16</b>
<b>RRVUNL</b>	<b>7</b>
<b>UPRVUNL</b>	<b>0</b>
<b>CSPGCL</b>	<b>0</b>
<b>GSECL</b>	<b>44</b>
<b>MPPGCL</b>	<b>0</b>
<b>MAHAGENCO</b>	<b>256</b>
<b>APGENCO</b>	<b>0</b>
<b>KPCL</b>	<b>0</b>
<b>TANGEDCO</b>	<b>282</b>
<b>TSGENCO</b>	<b>0</b>
<b>TVNL</b>	<b>0</b>
<b>JSEB</b>	<b>0</b>
<b>OPGCL</b>	<b>0</b>
<b>WBPDCL</b>	<b>0</b>
<b>DPL</b>	<b>0</b>
<b>State-Total</b>	<b>605</b>

<b>NTPC</b>	<b>4328</b>
<b>NTPC-JV</b>	<b>611</b>
<b>DVC</b>	<b>554</b>
<b>NLC-TN-JV</b>	<b>224</b>
<b>Central-Total</b>	<b>5717</b>
<b>IPPs</b>	<b>2885</b>
<b>TOTAL</b>	<b>9207</b>

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.863  
ANSWERED ON 21.07.2022**

**IMPACT OF COAL SHORTAGE**

**863. SHRIMATI NUSRAT JAHAN RUHI:**

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

- (a) whether it is a fact that coal shortage is being faced by many thermal plants in different part of the country;**
- (b) if so, the details thereof and the reasons therefor;**
- (c) whether it is also a fact that due to coal shortage, many States have witnessed the massive disruption of power supply; and**
- (d) if so, the details thereof along with the action taken by the Government thereon?**

**A N S W E R**

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

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

**(a) to (d) : The coal stock available with the Thermal Power Plants (TPPs) was 25.6 Million Tonnes (MT) as on 31.03.2022, and have increased to 28.3 MT as on 14.07.2022, which is about 50% of the normative coal stock required to be maintained by the TPPs. The stock available as on 14.07.2022 is sufficient to run TPPs for an average of 10 days at 85% Plant Load Factor (PLF). Plant-wise stock is monitored by Central Electricity Authority.**

**Further, during 2022-23 (Apr-June), against the requirement of 404.76 Billion Units (BU), the energy supplied was 400.65 BU. Gap in supply is generally on account of factors other than inadequacy of power availability in the country, which are constraints in distribution network, financial constraints, commercial reasons, forced outage of generating units etc.**

**Government has taken following steps to ensure smooth coal supply to power plants for unhindered power generation:-**

- (vi) An Inter-Ministerial Sub Group comprising of representatives from Ministries of Power, Ministry of Coal, Ministry of Railways, CEA, Coal India Limited (CIL) and Singareni Collieries Company Limited (SCCL) meet regularly to take various operational decisions to enhance supply of coal to thermal power plants as well as for meeting any contingent situations relating to Power Sector including to alleviate critical coal stock position in power plants.**

- (vii) As per the decision taken in the meeting held under the Chairmanship of Cabinet Secretary on Augmentation of coal supply and power generation capacity, a Secretary level Inter Ministerial Committee (IMC) has been set up to ensure that the medium and long term requirements of coal are met. The IMC comprises of Chairman, Railway Board, Secretary, Ministry of Coal, Secretary, Ministry of Environment Forests and Climate Change as members and Secretary, Ministry of Power as convener.**
- (viii) Ministry of Power vide OM dated 28.04.2022 has advised power plants to import coal for blending purposes during 2022-23.**
- (iv) CIL has allocated about 16 MT coal on Road cum Rail (RCR) mode to TPPs.**
- (v) Railways has issued order to give preference to Power Sector for loading of coal from Good Shed Siding (GSS) and Private Washery (PW).**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.870  
ANSWERED ON 21.07.2022**

**LAND ACQUISITION BY NTPC**

**870. SHRI CHANDRA PRAKASH CHOUDHARY:**

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

- (a) the total area of land acquired by National Thermal Power Corporation (NTPC) all over the country including NTPC, Patratu in Jharkhand along with the number of families displaced therefrom due to the said land acquisition during the last three years and the current year;**
- (b) the nature of policy being adopted by NTPC for land acquisition and rehabilitation of displaced families;**
- (c) the nature of assistance provided by NTPC for rehabilitation of displaced families;**
- (d) whether all the displaced families of Patratu have been rehabilitated by NTPC;**
- (e) if so, the details thereof; and**
- (f) if not, the number of families awaiting in the rehabilitation list?**

**A N S W E R**

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

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

**(a): A total of 273.27 acre land has been acquired by the respective State Governments for various NTPC projects, during last 3 years and current year (upto 12.07.2022). The number of displaced families out of this land acquisition is nil.**

**(b): For NTPC Projects, private land for the projects is acquired by the respective State Government / State Authorities, on request of NTPC, as per the extant Land Acquisition (LA) Act of the Government of India (GOI)/ Act(s) of respective States.**

**The land rate/ compensation & Rehabilitation and Resettlement (R&R) package is decided by the concerned State Government/ State Authority as per provisions of the extant LA Act of Government of India i.e. The Right to Fair Compensation and Transparency (RFCT) and Land Acquisition, Rehabilitation and Resettlement (LARR) Act, 2013/ Acts/ Policies of respective State Government.**

**(c): As regards NTPC, the Rehabilitation of displaced families is provided for by the respective State Government as per the extant LA Act i.e. The RFCT and LARR Act, 2013 or the extant Act/ R&R Policy of the State, as decided by the Appropriate Authority of the State Government.**

**(d) to (f): Patratu Vidyut Utpadan Nigam Limited (PVUNL), a subsidiary of NTPC Ltd. in joint venture with Jharkhand Bijli Vitaran Nigam Limited (JBVNL), Government of Jharkhand (GoJh) has not carried out any land acquisition for the project. All the requisite land has been transferred by Government of Jharkhand to PVUNL.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.875  
ANSWERED ON 21.07.2022**

**RESEARCH IN ENERGY AND ALLIED AREAS**

**875. SHRI M. SELVARAJ:**

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

- (a) the details of Government/Government funded Institutes currently involved in research in energy and allied areas;
- (b) the quantum of funds allocated to these Institutes during the last three years and the current year alongwith their achievements thereunder;
- (c) whether the Government has any plans of expanding energy research in the country especially in new and emerging areas; and
- (d) if so, the details thereof?

**A N S W E R**

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

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

(a) & (b) : Central Power Research Institute (CPRI), an Autonomous Society under the Ministry of Power, functions as the apex body for undertaking Research in the Electrical Energy Sector. An amount of Rs.479.4 Crore has been provided to CPRI during 2019-2022. During this period, R&D projects on various focus areas of Power Sector like grid integration of renewable energy, e-cooking, energy storage, etc. have been taken up by CPRI. A host of technologies including the following have been developed during 2019-2022;

- Induction Stove suitable for Indian Cookware
- High capacitance graphene supercapacitors for storage of power from Renewable energy sources
- Low cost Silicon Rubber insulator
- Retrofit post combustion carbon capture plant for thermal power plant
- Non-edible vegetable oil based green insulating fluids for transformer applications

(c) & (d) : Ministry of Power has sanctioned a Research & Development (R&D) Scheme with a budgetary outlay of Rs.112 crore for supporting research in new and emerging areas of electrical energy during 2021-22 to 2025-26.

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.877  
ANSWERED ON 21.07.2022**

**ELECTRIC VEHICLE CHARGING STATIONS**

**†877. SHRI PRATAPRAO PATIL CHIKHLIKAR:**

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

- (a) whether the Government has prepared any action plan and policy for electric vehicle charging stations across the country;**
- (b) if so, the details of the criteria fixed in this regard;**
- (c) the number of charging stations set up in Maharashtra including Nanded till date and the number of charging stations likely to be set-up in coming days;**
- (d) whether locations have been identified for electric vehicle charging stations in Nanded; and**
- (e) if so, the details thereof?**

**A N S W E R**

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

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

**(a) & (b) : Ministry of Power issued the revised consolidated Guidelines & Standards for charging infrastructure on 14.01.2022. The salient features as stipulated in the guidelines and standards are as under:**

- i. Tariff for supply of electricity for Public Charging Station (PCS) shall be a single part tariff and shall not exceed "Average Cost of Supply" till 31st March, 2025.**
- ii. DISCOMs may leverage on funding from the Revamped Distribution Sector Scheme (RDSS) under "Part A – Distribution Infrastructure" for the general upstream network augmentation necessitated due to the upcoming charging infrastructure in various areas. The cost of such works carried out by the DISCOMs with the financial assistance from Government of India under Revamped Scheme shall not be charged from the consumers for Public Charging Stations for EVs.**
- iii. Housing Societies, Malls, Office Complexes, Restaurants, Hotels, etc. are allowed to install PCS for charging of vehicles including charging of visitor's vehicles permitted to come in its premises.**
- iv. Charging stations meant for 100% in-house/captive utilization are free to choose charging specifications as per requirement.**

- v. **DISCOMs have been directed to provide electricity connection to PCS in accordance with the timelines specified in the "Electricity (Rights of Consumers) Rules 2020".**
- vi. **The connection for a PCS shall be provided within 7 days in metro cities, 15 days in other municipal areas and 30 days in rural areas. Appropriate Commission may specify a lesser time limit than the aforementioned limit.**
- vii. **Any PCS/chain of charging station may also obtain electricity from any generation company through open access. Open access shall be provided within 15 days for this purpose.**
- viii. **Guidelines also include the details of requirements of Public Charging Infrastructure (PCI), PCI for long range EVs and/or heavy duty EVs, Location of PCS, Database of Public EV charging stations, Tariff for supply of electricity to EV PCS and service charge at PCS.**
- ix. **Land available with Government/Public entities shall be provided to Government/Public entity on a revenue sharing basis at a fixed rate of Re.1/kWh (used for charging) to be paid to the land-owning agency, initially for a period of 10 years.**

**Action plans have been prepared by Bureau of Energy Efficiency (BEE) and sent to the concerned State Governments for 8 cities - with 4 million plus population (Mumbai, Delhi, Bangalore, Ahmedabad, Chennai, Kolkata, Surat and Pune). Under the Action Plans, scenario-wise targets have been prepared for Business as Usual (BAU), Moderate and Aggressive Scenarios for installation of Charging Stations in these 8 cities so far. These targets have been prepared based on the requirements under the Guidelines and Standards issued by the Ministry of Power, Electric Vehicles (EV) growth projections in these cities, Growth in EV charging demand etc. As per the initial estimates, a total of 3263 chargers under BAU scenario, 23,524 chargers under moderate scenario and 46,397 under Aggressive scenario are being targeted for installation of PCS in these cities by 2030.**

**(c): As per data available with Maharashtra State Electricity Distribution Company Limited (MSEDCL), the State Nodal Agency for the rollout mechanism of EV charging infrastructure in Maharashtra, total 458 no. of public charging stations have been commissioned in the State of Maharashtra. Installation of charging station is delicensed activity and anyone can set up charging station.**

**(d): It is informed by Maharashtra State Electricity Distribution Company Limited (MSEDCL), the State Nodal Agency for the rollout mechanism of EV charging infrastructure in Maharashtra, that till date no location has been identified for setting up Public Electric Vehicle (EV) charging Station in city of Nanded.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.883  
ANSWERED ON 21.07.2022**

**NATIONAL LED PROGRAMME**

**†883. SHRI HAJI FAZLUR REHMAN:**

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

- (a) the details of the National LED Programme being run by the Government and the number of LED bulbs distributed/targeted to be distributed to the consumers in Uttar Pradesh under the said programme during the last and the current financial years;**
- (b) whether the Government has received complaints from the consumers regarding small life of LED bulbs distributed by Energy Efficiency Services Limited (EESL) to them and if so, the details thereof; and**
- (c) the standards set for the quality of the bulbs to be distributed to the consumers?**

**A N S W E R**

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

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

**(a) : Hon'ble Prime Minister launched UJALA (Unnat Jyoti by Affordable LEDs for All) Programme on 5<sup>th</sup> of January 2015. Under this programme more than 36.86 Crore LED bulbs have been distributed in the country across all the States/UTs.**

**In Financial Year 2021-22, 45,118 LED bulbs and in the current Financial Year (upto 14.07.2022) 737 LED bulbs have been distributed by EESL in Uttar Pradesh.**

**(b) : LED bulbs have higher life span compared to Compact Fluorescent Lamps (CFL) and Incandescent Lamp (ICL). Also, LED bulbs distributed by Energy Efficiency Services Limited are covered under specified replacement warranty against technical defects. EESL maintains a Call Centre to enable consumers to register complaints for replacement of defective bulbs during the warranty period. During the warranty period, total replacement complaints received were approximately 1% of total distributed LED bulbs and all the complaints have been resolved.**

**(c) : Procurement of LED bulbs by EESL is being done in conformity to BIS specification IS 16102, to ensure that the quality of LED bulbs is not compromised.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.884  
ANSWERED ON 21.07.2022**

**POWER THEFT**

**884. SHRI DUSHYANT SINGH:**

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

- (a) whether the Government has taken cognizance of power or electricity theft in various States across the country along with the effects of power theft on distribution companies and if so, the details thereof;**
- (b) the details of the illegal methods involved in power theft by consumers, State-wise;**
- (c) whether the Government has booked any cases on those who are involved in the power theft and if so, the number of cases registered, pending and those convicted during the last three years and the current year and if not, the reasons therefor, State-wise;**
- (d) the details of the power theft by commercial and domestic consumers separately during the said period, State-wise; and**
- (e) the details of the number of watts of power theft and losses incurred by the distribution companies annually because of power theft during the said period, State-wise?**

**A N S W E R**

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

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

**(a) : The Government of India has taken cognizance of power or electricity theft in various States and the Union Territories (UTs), which has affected the financial health of the distribution companies with consequential effects like poor quality of power supply to the consumers such as frequent load shedding, unscheduled outages, voltage fluctuations, etc. The measures taken by the Government of India are as follows:**

- (i) There are specific provisions in the Electricity Act 2003 (Section 126 and Sections 135 to 140) relating to theft and unauthorized use of electricity including stiff penal provisions and speedy trial for such offences by Special Courts (Part XV of the Electricity Act 2003);**
- (ii) Ministry of Power launched a Reforms-based and Results - linked, Revamped Distribution Sector Scheme (RDSS) to improve the operational efficiencies and financial sustainability of all DISCOMs/ Power Departments. The Scheme aims to reduce the Aggregate Technical and Commercial (AT&C) losses, which includes impact of power theft also, on pan- India basis in the range of 12-15% by 2024-25. The scheme includes the provisions for funding for up-gradation of distribution infrastructure including IT interventions, installation of pre-paid smart meters in the country which would facilitate in the reduction of AT&C losses.**

**(b) & (c) : The illegal methods adopted by consumers for power theft in various States and UTs include direct tapping of distribution lines, bypassing and tampering of energy meters, etc. The State-wise details of the number of cases registered, pending and those convicted during recent years, as informed by Central Electricity Authority (CEA), are enclosed at Annexure-I.**

**(d) & (e) : The commercial losses due to power theft, billing efficiency, collection efficiency are part of the AT&C losses. Power Finance Corporation (PFC) has published a report titled “Performance of State Power Utilities”, in the year 2021, wherein the details of Billing Efficiency, Collection Efficiency and AT&C loss % are given below:**

<b>Parameter</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>
<b>Billing efficiency (%)</b>	<b>83.07</b>	<b>83.91</b>	<b>85.36</b>
<b>Collection Efficiency (%)</b>	<b>94.50</b>	<b>93.26</b>	<b>92.64</b>
<b>AT&amp;C loss %</b>	<b>21.50</b>	<b>21.74</b>	<b>20.93</b>

**The State-wise and Utility wise details of Billing Efficiency, Collection Efficiency and AT&C Losses are enclosed at Annexure-II.**

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## ANNEXURE-I

## ANNEXURE REFERRED TO IN REPLY TO PARTS (b) &amp; (c) OF UNSTARRED QUESTION NO. 884 ANSWERED IN THE LOK SABHA ON 21.07.2022

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State /UT	Year	Total Number of cases where theft of electricity was detected (Nos.)	Total Number of cases settled	Total Number of cases still pending
<b>Andhra Pradesh</b>				
Andhra Pradesh Eastern Power Distribution Company Limited	2018-2019	6784	7086	1
	2019-2020	7267	7383	18
	2020-21 (up to Jan 2021)	2832	3798	412
Andhra Pradesh Southern Power Distribution Company Limited	2018-2019	40930	40862	68
	2019-2020	28225	28118	107
	2020-21 (up to Jan 2021)	7673	6237	1436
Andhra Pradesh Central Power Distribution Corporation Ltd.	2018-2019	13373	13368	5
	2019-2020	9980	9969	10
	2020-2021 (up to 16th March 2021)	4353	3989	364
<b>Assam</b>				
APDCL, Assam	March 2020 to Jan 2021	716	0	4083
<b>Bihar</b>				
Electricity Supply Sub-Division, Supaul	2020-21 (up to Jan 2021)	92	39	53
North Bihar Power Distribution Company Limited	2018-2019	2698	-	-
	2019-2020	5104		
	2020-21 (up to January 2021)	2236	-	-
<b>Chhattisgarh</b>				
Chhattisgarh State Power Distribution Company Limited	2018-2019	3110	1392	1081
	2019-2020	3990	1068	2297
	2020-2021 ( up to January 2021)	4321	817	2795
<b>Gujarat</b>				
Energy and Petrochemical Department, New Sachivalaya, Gandhinagar	2018-2019	70700	27405	43295
	2019-2020	66118	24979	41139
	2020-2021	37604	18793	18811

<b>Haryana</b>				
<b>Uttar Haryana Bijli Vitran Nigam</b>	<b>2018-2019</b>	<b>22417</b>	<b>14507</b>	<b>5427</b>
	<b>2019-2020</b>	<b>19025</b>	<b>13943</b>	<b>3405</b>
	<b>2020-2021 (up to Jan. 2021)</b>	<b>22507</b>	<b>15029</b>	<b>6887</b>
<b>Jharkhand</b>				
<b>Jharkhand Bijli Vitran Nigam Limited</b>	<b>2018-2019</b>	<b>6318</b>	<b>5740</b>	<b>578</b>
	<b>2019-2020</b>	<b>7683</b>	<b>6437</b>	<b>1246</b>
	<b>2020-2021 (Up to January 2021)</b>	<b>9723</b>	<b>8035</b>	<b>1688</b>
<b>Electrical Supply Division, Dhanbad</b>	<b>2020-21 (up to Jan 2021)</b>	<b>135</b>	<b>127</b>	<b>8</b>
<b>Electrical Supply Division, Govindpur</b>	<b>2020-21 (up to Jan 2021)</b>	<b>84</b>	<b>82</b>	<b>2</b>
<b>Electrical Executive Engineer, Jharlia Division</b>	<b>2020-21 (up to Jan 2021)</b>	<b>226</b>	<b>184</b>	<b>42</b>
	<b>Total</b>	<b>17851</b>	<b>14865</b>	<b>2986</b>
<b>Karnataka</b>				
<b>BESCOM</b>	<b>2018-2019</b>	<b>2917</b>	<b>2222</b>	<b>695</b>
	<b>2019-2020</b>	<b>2748</b>	<b>2368</b>	<b>1075</b>
	<b>2020-2021 ( up to January 2021)</b>	<b>1975</b>	<b>1973</b>	<b>1077</b>
<b>CESC</b>	<b>2005-06 to Jan-2021</b>	<b>12011</b>	<b>11970</b>	<b>41</b>
<b>MESCOM</b>	<b>2002-03 to Jan-2021</b>	<b>6419</b>	<b>6411</b>	<b>8</b>
<b>HESCOM</b>	<b>2002-03 to Jan-2021</b>	<b>51101</b>	<b>50919</b>	<b>182</b>
<b>GESCOM</b>	<b>2018-2019</b>	<b>5648</b>	<b>4459</b>	<b>1189</b>
	<b>2019-2020</b>	<b>5173</b>	<b>3833</b>	<b>1340</b>
	<b>2020-2021</b>	<b>2355</b>	<b>1896</b>	<b>459</b>
<b>Kerala</b>				
<b>Cochin Port Trust</b>	<b>2020-21 (up to Jan 2021)</b>	<b>2</b>	<b>2</b>	<b>0</b>
<b>Madhya Pradesh</b>				
<b>Madhya Pradesh Power Management Company Limited</b>	<b>2018-2019</b>	<b>75192</b>	<b>50801</b>	<b>24391</b>
	<b>2019-2020</b>	<b>86028</b>	<b>49426</b>	<b>36602</b>
	<b>2020-21 (up to Jan 2021)</b>	<b>116729</b>	<b>48464</b>	<b>68265</b>
<b>Manipur</b>				
	<b>2018-2019</b>	<b>682</b>	<b>657</b>	<b>25</b>
	<b>2019-2020</b>	<b>461</b>	<b>297</b>	<b>164</b>
	<b>2020-21 ( up to January 2021)</b>	<b>604</b>	<b>484</b>	<b>120</b>
<b>Mizoram</b>				
	<b>2020-21 (up to Jan 2021)</b>	<b>485</b>	<b>485</b>	<b>NIL</b>
<b>Maharashtra</b>				
<b>BEST Undertaking, Mumbai</b>	<b>2018-2019</b>	<b>1594</b>	<b>791</b>	<b>803</b>
	<b>2019-2020</b>	<b>1230</b>	<b>427</b>	<b>803</b>
	<b>2020-21 (up to Jan 2021)</b>	<b>470</b>	<b>14</b>	<b>456</b>
<b>Odisha</b>				
<b>NESCO Utility</b>	<b>2020-21 (up to Jan 2021)</b>	<b>780</b>	<b>566</b>	<b>214</b>
<b>TPCODL</b>	<b>2020-21 (up to Jan 2021)</b>	<b>1133</b>	<b>395</b>	<b>738</b>
<b>TPWODL</b>	<b>January 2020 to January 2021</b>	<b>9010</b>	<b>5892</b>	<b>3118</b>



<b>TPSODL</b>	<b>2020-21 (up to Jan 2021)</b>	<b>2193</b>	<b>1419</b>	<b>774</b>
	<b>Total</b>	<b>15748</b>	<b>10904</b>	<b>4844</b>
<b>Punjab</b>				
	<b>2018-19</b>	<b>30564</b>	<b>12796</b>	<b>17768</b>
	<b>2019-20</b>	<b>39678</b>	<b>17382</b>	<b>22296</b>
	<b>2020-2021</b>	<b>148304</b>	<b>-</b>	<b>-</b>
<b>Rajasthan</b>				
<b>Jaipur DISCOM</b>	<b>2020-21 (up to January 2021)</b>	<b>82611</b>	<b>55755</b>	<b>26856</b>
<b>Ajmer DISCOM</b>	<b>2020-21 (up to January 2021)</b>	<b>74518</b>	<b>46628</b>	<b>27890</b>
<b>Jodhpur DISCOM</b>	<b>2020-21 (up to January 2021)</b>	<b>31462</b>	<b>11871</b>	<b>19591</b>
<b>Tamil Nadu</b>				
<b>Tamil Nadu Generation &amp; Distribution Corporation Limited</b>	<b>2018-2019</b>	<b>17073</b>	<b>17067</b>	<b>6</b>
	<b>2019-2020</b>	<b>16216</b>	<b>16212</b>	<b>4</b>
	<b>2020-21 (up to Jan 2021)</b>	<b>5241</b>	<b>5234</b>	<b>7</b>
<b>Telangana</b>				
<b>TSSPDCL</b>	<b>2018-2019</b>	<b>42289</b>	<b>42736</b>	<b>63</b>
	<b>2019-2020</b>	<b>52656</b>	<b>52388</b>	<b>241</b>
	<b>1st April 2020 to 31st Jan 2021</b>	<b>21744</b>	<b>17541</b>	<b>1502</b>
<b>Uttar Pradesh</b>				
<b>Uttar Pradesh Power Corporation Limited</b>	<b>2020-21 (up to Jan 2021)</b>	<b>104297</b>	<b>11985</b>	<b>92312</b>
<b>Kanpur Electricity Supply Corporation</b>	<b>2020-21 (up to Jan 2021)</b>	<b>920</b>	<b>397</b>	<b>523</b>
<b>West Bengal</b>				
<b>West Bengal State Electricity Distribution Company Limited</b>	<b>2018-2019</b>	<b>10083</b>	<b>8488</b>	<b>2670</b>
	<b>2019-2020</b>	<b>8007</b>	<b>5329</b>	<b>1914</b>

## Uts

<b>Andaman &amp; Nicobar Islands</b>	<b>2020-21 (up to Jan 2021)</b>	<b>0</b>	<b>0</b>	<b>0</b>
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## Dadra & Nagar Haveli

<b>DNH Power Distribution Corporation Limited</b>	<b>01.04.2019 to 31.01.2021</b>	<b>167</b>	<b>72</b>	<b>95</b>
<b>Delhi</b>				
<b>Tata Power-DDL</b>	<b>2018-2019</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>2019-2020</b>	<b>4</b>	<b>4</b>	<b>0</b>
	<b>2020-2021 (up to January 2021)</b>	<b>6</b>	<b>6</b>	<b>0</b>
<b>BSES Rajdhani Power Limited (BRPL)</b>	<b>2020-21 (up to Jan 2021)</b>	<b>10345</b>	<b>1058</b>	<b>9287</b>
<b>BSES Yamuna Power Limited (BYPL)</b>	<b>2018-19</b>	<b>20150</b>	<b>6537</b>	<b>13613</b>
	<b>2019-20</b>	<b>12495</b>	<b>3239</b>	<b>9256</b>
	<b>2020-21 (up to Jan 2021)</b>	<b>3742</b>	<b>566</b>	<b>3176</b>
<b>Jammu &amp; Kashmir</b>				
	<b>April 2020 to Jan 2021</b>	<b>25320</b>	<b>2</b>	<b>5</b>

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**ANNEXURE REFERRED TO IN REPLY TO PARTS (d) & (e) OF UNSTARRED QUESTION  
NO. 884 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**AT&C Losses**

	2017-18			2018-19			2019-20		
	Billing Efficiency (%)	Collection Efficiency (%)	AT&C Loss (%)	Billing Efficiency (%)	Collection Efficiency (%)	AT&C Loss (%)	Billing Efficiency (%)	Collection Efficiency (%)	AT&C Loss (%)
<b>State Sector</b>	<b>82.64</b>	<b>94.21</b>	<b>22.15</b>	<b>83.41</b>	<b>92.83</b>	<b>22.57</b>	<b>84.89</b>	<b>92.21</b>	<b>21.73</b>
<b>Andaman &amp; Nicobar Islands</b>	<b>80.86</b>	<b>99.76</b>	<b>19.34</b>	<b>76.80</b>	<b>99.76</b>	<b>23.39</b>	<b>77.40</b>	<b>99.87</b>	<b>22.71</b>
<b>Andaman &amp; Nicobar PD</b>	<b>80.86</b>	<b>99.76</b>	<b>19.34</b>	<b>76.80</b>	<b>99.76</b>	<b>23.39</b>	<b>77.40</b>	<b>99.87</b>	<b>22.71</b>
<b>Andhra Pradesh</b>	<b>92.86</b>	<b>92.33</b>	<b>14.26</b>	<b>92.30</b>	<b>80.53</b>	<b>25.67</b>	<b>92.38</b>	<b>96.58</b>	<b>10.77</b>
<b>APEPDCL</b>	<b>94.88</b>	<b>93.62</b>	<b>11.18</b>	<b>93.32</b>	<b>87.37</b>	<b>18.47</b>	<b>93.36</b>	<b>100.00</b>	<b>6.64</b>
<b>APSPDCL</b>	<b>91.69</b>	<b>91.57</b>	<b>16.04</b>	<b>91.74</b>	<b>76.67</b>	<b>29.66</b>	<b>91.81</b>	<b>94.57</b>	<b>13.17</b>
<b>Arunachal Pradesh</b>	<b>48.94</b>	<b>85.07</b>	<b>58.36</b>	<b>44.50</b>	<b>100.00</b>	<b>55.50</b>	<b>54.29</b>	<b>100.00</b>	<b>45.71</b>
<b>Arunachal PD</b>	<b>48.94</b>	<b>85.07</b>	<b>58.36</b>	<b>44.50</b>	<b>100.00</b>	<b>55.50</b>	<b>54.29</b>	<b>100.00</b>	<b>45.71</b>
<b>Assam</b>	<b>82.36</b>	<b>100.00</b>	<b>17.64</b>	<b>80.30</b>	<b>99.46</b>	<b>20.14</b>	<b>80.94</b>	<b>94.67</b>	<b>23.37</b>
<b>APDCL</b>	<b>82.36</b>	<b>100.00</b>	<b>17.64</b>	<b>80.30</b>	<b>99.46</b>	<b>20.14</b>	<b>80.94</b>	<b>94.67</b>	<b>23.37</b>
<b>Bihar</b>	<b>69.35</b>	<b>95.88</b>	<b>33.51</b>	<b>69.84</b>	<b>95.49</b>	<b>33.30</b>	<b>74.81</b>	<b>79.69</b>	<b>40.38</b>
<b>NBPDCL</b>	<b>76.73</b>	<b>90.63</b>	<b>30.46</b>	<b>73.03</b>	<b>100.00</b>	<b>26.97</b>	<b>78.38</b>	<b>89.95</b>	<b>29.50</b>
<b>SBPDCL</b>	<b>64.47</b>	<b>100.00</b>	<b>35.53</b>	<b>67.58</b>	<b>92.03</b>	<b>37.81</b>	<b>72.11</b>	<b>71.22</b>	<b>48.64</b>
<b>Chandigarh</b>	<b>96.00</b>	<b>100.00</b>	<b>4.00</b>	<b>95.79</b>	<b>100.00</b>	<b>4.21</b>	<b>95.40</b>	<b>100.00</b>	<b>4.60</b>
<b>Chandigarh PD</b>	<b>96.00</b>	<b>100.00</b>	<b>4.00</b>	<b>95.79</b>	<b>100.00</b>	<b>4.21</b>	<b>95.40</b>	<b>100.00</b>	<b>4.60</b>
<b>Chhattisgarh</b>	<b>82.12</b>	<b>94.37</b>	<b>22.50</b>	<b>81.86</b>	<b>85.75</b>	<b>29.81</b>	<b>82.32</b>	<b>92.71</b>	<b>23.68</b>
<b>CSPDCL</b>	<b>82.12</b>	<b>94.37</b>	<b>22.50</b>	<b>81.86</b>	<b>85.75</b>	<b>29.81</b>	<b>82.32</b>	<b>92.71</b>	<b>23.68</b>
<b>Dadra &amp; Nagar Haveli</b>	<b>95.52</b>	<b>97.83</b>	<b>6.55</b>	<b>96.07</b>	<b>98.42</b>	<b>5.45</b>	<b>96.44</b>	<b>100.00</b>	<b>3.56</b>
<b>DNHPDCL</b>	<b>95.52</b>	<b>97.83</b>	<b>6.55</b>	<b>96.07</b>	<b>98.42</b>	<b>5.45</b>	<b>96.44</b>	<b>100.00</b>	<b>3.56</b>
<b>Daman &amp; Diu</b>	<b>92.65</b>	<b>89.57</b>	<b>17.01</b>	<b>93.81</b>	<b>100.00</b>	<b>6.19</b>	<b>95.93</b>	<b>100.00</b>	<b>4.07</b>
<b>Daman &amp; Diu PD</b>	<b>92.65</b>	<b>89.57</b>	<b>17.01</b>	<b>93.81</b>	<b>100.00</b>	<b>6.19</b>	<b>95.93</b>	<b>100.00</b>	<b>4.07</b>
<b>Goa</b>	<b>89.10</b>	<b>97.06</b>	<b>13.52</b>	<b>88.74</b>	<b>95.00</b>	<b>15.69</b>	<b>88.00</b>	<b>97.74</b>	<b>13.99</b>
<b>Goa PD</b>	<b>89.10</b>	<b>97.06</b>	<b>13.52</b>	<b>88.74</b>	<b>95.00</b>	<b>15.69</b>	<b>88.00</b>	<b>97.74</b>	<b>13.99</b>
<b>Gujarat</b>	<b>87.81</b>	<b>99.12</b>	<b>12.96</b>	<b>86.56</b>	<b>99.37</b>	<b>13.99</b>	<b>89.60</b>	<b>98.27</b>	<b>11.95</b>
<b>DGVCL</b>	<b>93.72</b>	<b>99.66</b>	<b>6.60</b>	<b>94.10</b>	<b>100.00</b>	<b>5.90</b>	<b>96.96</b>	<b>96.72</b>	<b>6.22</b>
<b>MGVCL</b>	<b>89.37</b>	<b>98.77</b>	<b>11.73</b>	<b>90.59</b>	<b>99.56</b>	<b>9.81</b>	<b>90.85</b>	<b>97.62</b>	<b>11.31</b>
<b>PGVCL</b>	<b>81.12</b>	<b>99.05</b>	<b>19.64</b>	<b>79.50</b>	<b>99.11</b>	<b>21.21</b>	<b>82.15</b>	<b>98.34</b>	<b>19.22</b>
<b>UGVCL</b>	<b>91.69</b>	<b>98.89</b>	<b>9.32</b>	<b>88.80</b>	<b>99.08</b>	<b>12.01</b>	<b>93.27</b>	<b>99.84</b>	<b>6.88</b>
<b>Haryana</b>	<b>78.46</b>	<b>99.69</b>	<b>21.78</b>	<b>81.92</b>	<b>100.00</b>	<b>18.08</b>	<b>83.67</b>	<b>97.77</b>	<b>18.19</b>
<b>DHBVNL</b>	<b>80.84</b>	<b>100.00</b>	<b>19.16</b>	<b>84.66</b>	<b>100.00</b>	<b>15.34</b>	<b>85.63</b>	<b>97.66</b>	<b>16.37</b>
<b>UHBVNL</b>	<b>75.19</b>	<b>99.24</b>	<b>25.38</b>	<b>77.96</b>	<b>100.00</b>	<b>22.04</b>	<b>80.99</b>	<b>97.94</b>	<b>20.68</b>
<b>Himachal Pradesh</b>	<b>88.92</b>	<b>100.00</b>	<b>11.08</b>	<b>87.54</b>	<b>100.00</b>	<b>12.46</b>	<b>88.32</b>	<b>100.00</b>	<b>11.68</b>
<b>HPSEBL</b>	<b>88.92</b>	<b>100.00</b>	<b>11.08</b>	<b>87.54</b>	<b>100.00</b>	<b>12.46</b>	<b>88.32</b>	<b>100.00</b>	<b>11.68</b>
<b>Jammu &amp; Kashmir</b>	<b>52.50</b>	<b>88.25</b>	<b>53.67</b>	<b>61.00</b>	<b>82.06</b>	<b>49.94</b>	<b>49.89</b>	<b>79.25</b>	<b>60.46</b>
<b>JKPDD</b>	<b>52.50</b>	<b>88.25</b>	<b>53.67</b>	<b>61.00</b>	<b>82.06</b>	<b>49.94</b>	<b>49.89</b>	<b>79.25</b>	<b>60.46</b>
<b>Jharkhand</b>	<b>80.52</b>	<b>83.86</b>	<b>32.48</b>	<b>77.11</b>	<b>92.59</b>	<b>28.60</b>	<b>77.54</b>	<b>81.30</b>	<b>36.96</b>
<b>JBVNL</b>	<b>80.52</b>	<b>83.86</b>	<b>32.48</b>	<b>77.11</b>	<b>92.59</b>	<b>28.60</b>	<b>77.54</b>	<b>81.30</b>	<b>36.96</b>
<b>Karnataka</b>	<b>86.27</b>	<b>97.82</b>	<b>15.61</b>	<b>87.13</b>	<b>92.00</b>	<b>19.83</b>	<b>87.96</b>	<b>93.69</b>	<b>17.59</b>
<b>BESCOM</b>	<b>86.83</b>	<b>100.00</b>	<b>13.17</b>	<b>87.73</b>	<b>95.99</b>	<b>15.79</b>	<b>88.01</b>	<b>93.27</b>	<b>17.91</b>
<b>CHESCOM</b>	<b>86.80</b>	<b>100.00</b>	<b>13.20</b>	<b>87.96</b>	<b>90.91</b>	<b>20.03</b>	<b>88.88</b>	<b>88.08</b>	<b>21.72</b>
<b>GESCOM</b>	<b>83.61</b>	<b>100.00</b>	<b>16.39</b>	<b>85.59</b>	<b>84.85</b>	<b>27.38</b>	<b>88.78</b>	<b>92.51</b>	<b>17.87</b>
<b>HESCOM</b>	<b>85.24</b>	<b>90.53</b>	<b>22.84</b>	<b>85.38</b>	<b>87.98</b>	<b>24.88</b>	<b>85.90</b>	<b>98.59</b>	<b>15.31</b>
<b>MESCOM</b>	<b>88.68</b>	<b>96.71</b>	<b>14.23</b>	<b>89.48</b>	<b>91.51</b>	<b>18.12</b>	<b>89.93</b>	<b>94.16</b>	<b>15.33</b>
<b>Kerala</b>	<b>89.98</b>	<b>96.90</b>	<b>12.81</b>	<b>90.90</b>	<b>100.00</b>	<b>9.10</b>	<b>89.84</b>	<b>95.20</b>	<b>14.47</b>
<b>KSEBL</b>	<b>89.98</b>	<b>96.90</b>	<b>12.81</b>	<b>90.90</b>	<b>100.00</b>	<b>9.10</b>	<b>89.84</b>	<b>95.20</b>	<b>14.47</b>
<b>Lakshadweep</b>	<b>94.80</b>	<b>85.29</b>	<b>19.15</b>	<b>91.13</b>	<b>84.13</b>	<b>23.33</b>	<b>85.87</b>	<b>99.83</b>	<b>14.28</b>
<b>Lakshadweep ED</b>	<b>94.80</b>	<b>85.29</b>	<b>19.15</b>	<b>91.13</b>	<b>84.13</b>	<b>23.33</b>	<b>85.87</b>	<b>99.83</b>	<b>14.28</b>
<b>Madhya Pradesh</b>	<b>76.37</b>	<b>90.99</b>	<b>30.51</b>	<b>72.42</b>	<b>87.49</b>	<b>36.64</b>	<b>79.82</b>	<b>87.22</b>	<b>30.38</b>
<b>MPMaKVVCL</b>	<b>72.09</b>	<b>84.62</b>	<b>39.00</b>	<b>63.28</b>	<b>86.84</b>	<b>45.05</b>	<b>72.40</b>	<b>86.78</b>	<b>37.17</b>
<b>MPPaKVVCL</b>	<b>83.41</b>	<b>97.48</b>	<b>18.69</b>	<b>83.83</b>	<b>89.13</b>	<b>25.28</b>	<b>88.90</b>	<b>88.95</b>	<b>20.93</b>
<b>MPPoKVVCL</b>	<b>72.94</b>	<b>89.33</b>	<b>34.84</b>	<b>69.43</b>	<b>85.86</b>	<b>40.38</b>	<b>77.48</b>	<b>85.33</b>	<b>33.89</b>
<b>Maharashtra</b>	<b>85.62</b>	<b>100.00</b>	<b>14.38</b>	<b>86.16</b>	<b>97.23</b>	<b>16.23</b>	<b>86.91</b>	<b>92.15</b>	<b>19.92</b>
<b>MSEDCL</b>	<b>85.62</b>	<b>100.00</b>	<b>14.38</b>	<b>86.16</b>	<b>97.23</b>	<b>16.23</b>	<b>86.91</b>	<b>92.15</b>	<b>19.92</b>
<b>Manipur</b>	<b>76.61</b>	<b>94.63</b>	<b>27.50</b>	<b>74.14</b>	<b>83.40</b>	<b>38.17</b>	<b>86.88</b>	<b>91.77</b>	<b>20.27</b>
<b>MSPDCL</b>	<b>76.61</b>	<b>94.63</b>	<b>27.50</b>	<b>74.14</b>	<b>83.40</b>	<b>38.17</b>	<b>86.88</b>	<b>91.77</b>	<b>20.27</b>

	2017-18			2018-19			2019-20		
	Billing Efficiency (%)	Collection Efficiency (%)	AT&C Loss (%)	Billing Efficiency (%)	Collection Efficiency (%)	AT&C Loss (%)	Billing Efficiency (%)	Collection Efficiency (%)	AT&C Loss (%)
Meghalaya	64.71	90.88	41.19	64.78	100.00	35.22	70.12	93.68	34.32
MePDCL	64.71	90.88	41.19	64.78	100.00	35.22	70.12	93.68	34.32
Mizoram	83.84	92.51	22.44	83.80	100.00	16.20	79.34	100.00	20.66
Mizoram PD	83.84	92.51	22.44	83.80	100.00	16.20	79.34	100.00	20.66
Nagaland	74.98	78.21	41.36	75.00	79.92	40.06	47.07	100.00	52.93
Nagaland PD	74.98	78.21	41.36	75.00	79.92	40.06	47.07	100.00	52.93
Odisha	71.97	92.27	33.59	75.70	90.42	31.55	79.35	89.55	28.94
CESU	68.28	94.48	35.49	71.85	93.96	32.49	76.85	92.35	29.03
NESCO Utility	77.72	97.26	24.41	81.26	92.78	24.61	82.88	91.16	24.45
SOUTHCO Utility	67.30	88.18	40.66	70.24	83.52	41.33	75.53	84.67	36.05
WESCO Utility	74.20	87.73	34.90	78.68	87.85	30.88	81.27	87.59	28.81
Puducherry	86.28	93.66	19.19	86.73	92.50	19.77	87.25	93.47	18.45
Puducherry PD	86.28	93.66	19.19	86.73	92.50	19.77	87.25	93.47	18.45
Punjab	88.94	92.97	17.31	88.72	100.00	11.28	87.98	97.35	14.35
PSPCL	88.94	92.97	17.31	88.72	100.00	11.28	87.98	97.35	14.35
Rajasthan	79.75	95.20	24.07	79.28	90.50	28.25	82.77	84.74	29.85
AVVNL	79.85	96.25	23.14	81.97	93.48	23.37	85.52	91.11	22.08
JdVVNL	80.67	94.84	23.49	76.88	84.29	35.20	80.62	76.59	38.26
JVVNL	78.94	94.78	25.19	79.46	93.46	25.73	82.79	87.18	27.83
Sikkim	67.52	100.00	32.48	70.20	82.86	41.83	71.28	99.77	28.88
Sikkim PD	67.52	100.00	32.48	70.20	82.86	41.83	71.28	99.77	28.88
Tamil Nadu	83.13	96.87	19.47	83.47	98.41	17.86	85.94	98.91	15.00
TANGEDCO	83.13	96.87	19.47	83.47	98.41	17.86	85.94	98.91	15.00
Telangana	88.75	91.18	19.08	93.92	87.52	17.80	92.05	85.24	21.54
TSNPDCL	88.99	85.78	23.67	90.10	81.40	26.66	90.96	72.48	34.08
TSSPDCL	88.64	93.45	17.16	95.66	90.13	13.79	92.57	91.21	15.57
Tripura	77.75	89.63	30.31	68.32	94.42	35.49	69.96	88.84	37.85
TSECL	77.75	89.63	30.31	68.32	94.42	35.49	69.96	88.84	37.85
Uttar Pradesh	78.69	79.05	37.80	81.32	82.16	33.19	81.52	85.81	30.05
DVVNL	74.91	81.57	38.89	79.04	79.55	37.12	78.73	76.53	39.74
KESCO	87.00	89.05	22.52	91.49	91.27	16.49	92.24	91.63	15.49
MVVNL	77.77	70.35	45.29	78.41	75.73	40.62	80.63	81.68	34.14
PaVVNL	82.57	89.65	25.97	85.17	91.26	22.27	84.41	96.39	18.64
PuVVNL	76.84	67.81	47.89	79.51	75.91	39.64	79.68	82.52	34.24
Uttarakhand	84.83	98.63	16.34	86.18	96.35	16.96	86.60	91.97	20.35
UPCL	84.83	98.63	16.34	86.18	96.35	16.96	86.60	91.97	20.35
West Bengal	73.31	100.00	26.69	77.00	100.00	23.00	81.43	97.75	20.40
WBSIEDCL	73.31	100.00	26.69	77.00	100.00	23.00	81.43	97.75	20.40
Private Sector	91.18	99.41	9.36	92.11	99.58	8.28	92.93	99.00	8.00
Delhi	90.21	99.85	9.93	91.38	99.40	9.17	92.86	98.86	8.19
BRPL	89.61	99.85	10.53	91.27	99.58	9.11	92.72	99.06	8.15
BYPL	89.22	99.94	10.83	90.67	98.60	10.60	92.70	98.62	8.57
TPDDL	91.80	99.78	8.39	92.07	99.74	8.17	93.17	98.76	7.98
Gujarat	94.51	98.89	6.53	95.02	99.77	5.20	95.47	99.94	4.59
Torrent Power Ahmedabad	93.69	98.79	7.44	94.39	99.80	5.81	95.02	99.91	5.07
Torrent Power Surat	96.42	99.12	4.43	96.57	99.71	3.71	96.57	100.00	3.43
Maharashtra				92.16	99.61	8.20	92.63	97.69	9.52
AEML				92.16	99.61	8.20	92.63	97.69	9.52
Uttar Pradesh	92.01	98.82	9.08	91.85	98.68	9.36	91.74	98.37	9.76
NPCL	92.01	98.82	9.08	91.85	98.68	9.36	91.74	98.37	9.76
West Bengal	90.26	98.89	10.74	91.05	100.00	8.95	91.13	99.79	9.06
CESC	89.82	98.81	11.25	90.58	100.00	9.42	90.70	100.00	9.30
IPCL	96.80	100.00	3.20	97.32	100.00	2.68	96.54	97.31	6.06
Grand Total	83.07	94.50	21.50	83.91	93.26	21.74	85.36	92.64	20.93

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.887  
ANSWERED ON 21.07.2022**

**TARGETS UNDER UDAY**

**887. DR. DNV SENTHILKUMAR. S.:**

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

- (a) the details of targets mandated under Ujwal DISCOM Assurance Yojana (UDAY) for Aggregate Technical & Commercial (AT&C) losses and ACS (Average Cost to Supply) - ARR (Average Revenue Realised gap and the achievement made by different State Discoms since joining the UDAY to so far including Tamil Nadu;**
- (b) the details of outstanding debts of Discoms since launching of UDAY, State-wise including Tamil Nadu;**
- (c) the details of the States who did not join the UDAY;**
- (d) the details of the Capital Expenditure for the generation and distribution spent by UDAY and NON-UDAY States since the launch of the yojana;**
- (e) whether taking seventy five per cent of debt by States affects State finances and if so, the manner in which Union Government helps the States for managing the finances;**
- (f) whether there is any performance linked grants for best performing States and if so, the details thereof; and**
- (g) whether States are taking over Discoms debt included in States borrowing limit of three percent of GSDP (Gross State Domestic Product) and if so, the details thereof?**

**A N S W E R**

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

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

**(a) : UDAY was launched with an overall aim of operational and financial turnaround of State owned Distribution Utilities (DISCOMs) through efficiency improvements and financial restructuring in Generation, Transmission and Distribution Sectors. As a result, State Power Distribution Utilities have reported improvement which include (i) Reduction in Aggregate Technical & Commercial (AT&C) losses from 23.70% in FY 16 to 20.93% in FY 20; and (ii) Reduction of Average Cost of Supply (ACS) – Average Revenue Realised (ARR) gap from Re.0.48 per kWh in FY 16 to Re.0.30 per kWh in FY 20. The details of the performance of the States including Tamil Nadu on AT&C loss and ACS-ARR gaps are enclosed as Annexure-I and Annexure-II respectively.**

**.....2.**

**(b) : State-wise details of total borrowings from FY 2015-16 till FY 2019-20 are given at Annexure-III.**

**(c) : All States and UTs, except the States of Odisha & West Bengal and UTs of Delhi & Chandigarh, joined the UDAY scheme.**

**(d) : UDAY was a reforms based scheme with no financial implications on the Government of India. The scheme did not envisage any financial assistance for Infrastructure creation under Distribution and Generation.**

**(e) : Recognising that the liabilities of the State owned Utilities are the contingent liabilities of the States themselves, UDAY envisaged the States taking over of 75% of the debt of the DISCOMs as on 30.09.2015 by issuing State Development Loan (SDL) Bonds, to which extent, the Government of India provisioned relaxation of borrowing limits placed under FRBM Act to the States. The States however bear the interest costs of these Bonds along with principal repayments.**

**(f) : Based on the performance of the States under UDAY, under Integrated Power Development Scheme (IPDS), sanctions worth Rs. 834.41 crore were accorded to 12 States as financial assistance to procure 41.51 lakh Smart meters. Details are annexed as Annexure IV.**

**(g) : Government of India has recently decided to provide performance based additional borrowing space of 0.50 % of Gross State Domestic Product (GSDP) to States on certain performance criteria linked to operational efficiency and financial sustainability of DISCOMs. This provision of annual borrowing is in addition to the regular borrowing limit of 3% of GSDP by the State Governments.**

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 887  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**State-wise and Year-wise details of AT&C Losses  
(in percentage)**

	2015-16	2016-17	2017-18	2018-19	2019-20
<b>State Sector</b>	<b>24.04</b>	<b>24.05</b>	<b>22.15</b>	<b>22.57</b>	<b>21.73</b>
<b>Andaman &amp; Nicobar Islands</b>			<b>19.34</b>	<b>23.39</b>	<b>22.71</b>
<b>Andhra Pradesh</b>	<b>10.36</b>	<b>13.77</b>	<b>14.26</b>	<b>25.67</b>	<b>10.77</b>
<b>Arunachal Pradesh</b>	<b>54.58</b>	<b>53.64</b>	<b>58.36</b>	<b>55.50</b>	<b>45.71</b>
<b>Assam</b>	<b>26.02</b>	<b>20.11</b>	<b>17.64</b>	<b>20.14</b>	<b>23.37</b>
<b>Bihar</b>	<b>43.30</b>	<b>43.34</b>	<b>33.51</b>	<b>33.30</b>	<b>40.38</b>
<b>Chandigarh (Non-Uday UT)</b>			<b>4.00</b>	<b>4.21</b>	<b>4.60</b>
<b>Chhattisgarh</b>	<b>22.10</b>	<b>23.87</b>	<b>22.50</b>	<b>29.81</b>	<b>23.68</b>
<b>Dadra &amp; Nagar Haveli</b>			<b>6.55</b>	<b>5.45</b>	<b>3.56</b>
<b>Daman &amp; Diu</b>			<b>17.01</b>	<b>6.19</b>	<b>4.07</b>
<b>Goa</b>	<b>19.77</b>	<b>24.33</b>	<b>13.52</b>	<b>15.69</b>	<b>13.99</b>
<b>Gujarat</b>	<b>16.23</b>	<b>14.42</b>	<b>12.96</b>	<b>13.99</b>	<b>11.95</b>
<b>Haryana</b>	<b>29.27</b>	<b>26.42</b>	<b>21.78</b>	<b>18.08</b>	<b>18.19</b>
<b>Himachal Pradesh</b>	<b>9.68</b>	<b>11.48</b>	<b>11.08</b>	<b>12.46</b>	<b>11.68</b>
<b>Jammu &amp; Kashmir</b>	<b>58.75</b>	<b>59.96</b>	<b>53.67</b>	<b>49.94</b>	<b>60.46</b>
<b>Jharkhand</b>	<b>33.34</b>	<b>35.95</b>	<b>32.48</b>	<b>28.60</b>	<b>36.96</b>
<b>Karnataka</b>	<b>17.13</b>	<b>16.84</b>	<b>15.61</b>	<b>19.83</b>	<b>17.59</b>
<b>Kerala</b>	<b>12.40</b>	<b>13.42</b>	<b>12.81</b>	<b>9.10</b>	<b>14.47</b>
<b>Lakshadweep</b>			<b>19.15</b>	<b>23.33</b>	<b>14.28</b>
<b>Madhya Pradesh</b>	<b>27.37</b>	<b>26.80</b>	<b>30.51</b>	<b>36.64</b>	<b>30.38</b>
<b>Maharashtra</b>	<b>21.74</b>	<b>22.84</b>	<b>14.38</b>	<b>16.23</b>	<b>19.92</b>
<b>Manipur</b>	<b>31.72</b>	<b>33.01</b>	<b>27.50</b>	<b>38.17</b>	<b>20.27</b>
<b>Meghalaya</b>	<b>45.98</b>	<b>38.81</b>	<b>41.19</b>	<b>35.22</b>	<b>34.32</b>
<b>Mizoram</b>	<b>35.18</b>	<b>24.98</b>	<b>22.44</b>	<b>16.20</b>	<b>20.66</b>
<b>Nagaland</b>	<b>33.44</b>	<b>38.50</b>	<b>41.36</b>	<b>40.06</b>	<b>52.93</b>
<b>Odisha (Non-Uday State)</b>	<b>38.60</b>	<b>37.19</b>	<b>33.59</b>	<b>31.55</b>	<b>28.94</b>
<b>Puducherry</b>	<b>22.43</b>	<b>21.34</b>	<b>19.19</b>	<b>19.77</b>	<b>18.45</b>
<b>Punjab</b>	<b>15.88</b>	<b>14.46</b>	<b>17.31</b>	<b>11.28</b>	<b>14.35</b>
<b>Rajasthan</b>	<b>31.59</b>	<b>27.33</b>	<b>24.07</b>	<b>28.25</b>	<b>29.85</b>
<b>Sikkim</b>	<b>43.89</b>	<b>35.62</b>	<b>32.48</b>	<b>41.83</b>	<b>28.88</b>
<b>Tamil Nadu</b>	<b>16.83</b>	<b>18.23</b>	<b>19.47</b>	<b>17.86</b>	<b>15.00</b>
<b>Telangana</b>	<b>14.01</b>	<b>15.19</b>	<b>19.08</b>	<b>17.80</b>	<b>21.54</b>
<b>Tripura</b>	<b>32.68</b>	<b>31.79</b>	<b>30.31</b>	<b>35.49</b>	<b>37.85</b>
<b>Uttar Pradesh</b>	<b>39.76</b>	<b>40.91</b>	<b>37.80</b>	<b>33.19</b>	<b>30.05</b>
<b>Uttarakhand</b>	<b>18.01</b>	<b>16.68</b>	<b>16.34</b>	<b>16.96</b>	<b>20.35</b>
<b>West Bengal (Non-Uday State)</b>	<b>28.08</b>	<b>27.83</b>	<b>26.69</b>	<b>23.00</b>	<b>20.40</b>
<b>Private Sector</b>	<b>12.44</b>	<b>10.80</b>	<b>9.36</b>	<b>8.28</b>	<b>8.00</b>
<b>Delhi</b>	<b>12.44</b>	<b>10.80</b>	<b>9.93</b>	<b>9.17</b>	<b>8.19</b>
<b>Gujarat</b>			<b>6.53</b>	<b>5.20</b>	<b>4.59</b>
<b>Maharashtra</b>				<b>8.20</b>	<b>9.52</b>
<b>Uttar Pradesh</b>			<b>9.08</b>	<b>9.36</b>	<b>9.76</b>
<b>West Bengal</b>			<b>10.74</b>	<b>8.95</b>	<b>9.06</b>
<b>Grand Total</b>	<b>23.70</b>	<b>23.66</b>	<b>21.50</b>	<b>21.74</b>	<b>20.93</b>

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 887  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**ACS-ARR Gap on Tariff Subsidy Received Basis (Rs./kWh)**

	2015-16	2016-17	2017-18	2018-19	2019-20
<b>State Sector</b>	<b>0.50</b>	<b>0.39</b>	<b>0.32</b>	<b>0.54</b>	<b>0.35</b>
<b>Andaman &amp; Nicobar Islands</b>			<b>19.86</b>	<b>19.47</b>	<b>19.58</b>
<b>Andhra Pradesh</b>	<b>0.80</b>	<b>0.52</b>	<b>0.09</b>	<b>2.67</b>	<b>(0.19)</b>
<b>Arunachal Pradesh</b>	<b>0.49</b>	<b>3.65</b>	<b>4.64</b>	<b>4.27</b>	<b>4.92</b>
<b>Assam</b>	<b>0.23</b>	<b>0.06</b>	<b>(0.32)</b>	<b>(0.32)</b>	<b>(0.36)</b>
<b>Bihar</b>	<b>0.46</b>	<b>0.51</b>	<b>0.68</b>	<b>0.61</b>	<b>0.92</b>
<b>Chandigarh (Non-Uday UT)</b>			<b>(1.64)</b>	<b>(0.26)</b>	<b>(0.82)</b>
<b>Chhattisgarh</b>	<b>(0.01)</b>	<b>0.21</b>	<b>0.23</b>	<b>0.45</b>	<b>0.17</b>
<b>Dadra &amp; Nagar Haveli</b>			<b>0.01</b>	<b>(0.02)</b>	<b>(0.03)</b>
<b>Daman &amp; Diu</b>			<b>(1.38)</b>	<b>(0.61)</b>	<b>(0.30)</b>
<b>Goa</b>	<b>0.71</b>	<b>0.70</b>	<b>(0.06)</b>	<b>0.39</b>	<b>0.60</b>
<b>Gujarat</b>	<b>(0.02)</b>	<b>(0.05)</b>	<b>(0.06)</b>	<b>(0.02)</b>	<b>(0.06)</b>
<b>Haryana</b>	<b>0.16</b>	<b>0.04</b>	<b>(0.08)</b>	<b>(0.05)</b>	<b>(0.06)</b>
<b>Himachal Pradesh</b>	<b>(0.31)</b>	<b>0.18</b>	<b>0.03</b>	<b>(0.09)</b>	<b>(0.02)</b>
<b>Jammu &amp; Kashmir</b>	<b>3.00</b>	<b>2.65</b>	<b>1.85</b>	<b>1.72</b>	<b>2.03</b>
<b>Jharkhand</b>	<b>0.93</b>	<b>1.39</b>	<b>0.16</b>	<b>0.58</b>	<b>0.87</b>
<b>Karnataka</b>	<b>0.01</b>	<b>0.29</b>	<b>0.30</b>	<b>0.24</b>	<b>0.39</b>
<b>Kerala</b>	<b>0.30</b>	<b>0.62</b>	<b>0.32</b>	<b>0.05</b>	<b>0.10</b>
<b>Lakshadweep</b>			<b>19.11</b>	<b>20.30</b>	<b>18.22</b>
<b>Madhya Pradesh</b>	<b>0.87</b>	<b>0.18</b>	<b>0.78</b>	<b>1.29</b>	<b>0.69</b>
<b>Maharashtra</b>	<b>0.21</b>	<b>0.06</b>	<b>(0.13)</b>	<b>(0.19)</b>	<b>(0.19)</b>
<b>Manipur</b>	<b>0.02</b>	<b>0.06</b>	<b>(0.02)</b>	<b>0.34</b>	<b>0.08</b>
<b>Meghalaya</b>	<b>0.82</b>	<b>1.66</b>	<b>1.16</b>	<b>0.85</b>	<b>1.80</b>
<b>Mizoram</b>	<b>2.06</b>	<b>2.12</b>	<b>(1.30)</b>	<b>1.18</b>	<b>(1.94)</b>
<b>Nagaland</b>	<b>0.20</b>	<b>0.81</b>	<b>0.81</b>	<b>4.09</b>	<b>5.62</b>
<b>Odisha (Non-Uday State)</b>	<b>0.39</b>	<b>0.38</b>	<b>0.32</b>	<b>0.60</b>	<b>0.34</b>
<b>Puducherry</b>	<b>(0.02)</b>	<b>0.03</b>	<b>(0.02)</b>	<b>0.13</b>	<b>0.97</b>
<b>Punjab</b>	<b>0.53</b>	<b>0.65</b>	<b>0.48</b>	<b>(0.07)</b>	<b>0.17</b>
<b>Rajasthan</b>	<b>1.83</b>	<b>0.50</b>	<b>(0.09)</b>	<b>0.06</b>	<b>0.31</b>
<b>Sikkim</b>	<b>2.09</b>	<b>1.20</b>	<b>0.25</b>	<b>0.02</b>	<b>0.54</b>
<b>Tamil Nadu</b>	<b>0.67</b>	<b>0.50</b>	<b>0.89</b>	<b>1.32</b>	<b>1.27</b>
<b>Telangana</b>	<b>0.74</b>	<b>1.23</b>	<b>1.12</b>	<b>1.38</b>	<b>1.09</b>
<b>Tripura</b>	<b>0.42</b>	<b>(0.15)</b>	<b>(0.09)</b>	<b>(0.06)</b>	<b>0.43</b>
<b>Uttar Pradesh</b>	<b>0.29</b>	<b>0.33</b>	<b>0.45</b>	<b>0.54</b>	<b>0.34</b>
<b>Uttarakhand</b>	<b>0.10</b>	<b>0.24</b>	<b>0.18</b>	<b>0.38</b>	<b>0.38</b>
<b>West Bengal (Non-Uday State)</b>	<b>(0.04)</b>	<b>0.04</b>	<b>(0.02)</b>	<b>(0.01)</b>	<b>(0.12)</b>
<b>Private Sector</b>	<b>(0.10)</b>	<b>(0.16)</b>	<b>(0.44)</b>	<b>(0.38)</b>	<b>(0.48)</b>
<b>Delhi</b>	<b>(0.10)</b>	<b>(0.16)</b>	<b>(0.19)</b>	<b>(0.26)</b>	<b>(0.37)</b>
<b>Gujarat</b>			<b>(0.50)</b>	<b>(0.26)</b>	<b>(0.52)</b>
<b>Maharashtra</b>				<b>(0.15)</b>	<b>(0.22)</b>
<b>Uttar Pradesh</b>			<b>(1.34)</b>	<b>(0.97)</b>	<b>(0.69)</b>
<b>West Bengal</b>			<b>(0.93)</b>	<b>(0.99)</b>	<b>(0.94)</b>
<b>Grand Total</b>	<b>0.48</b>	<b>0.37</b>	<b>0.28</b>	<b>0.49</b>	<b>0.30</b>

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**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 887  
ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**State-wise details of Total Borrowings**

Rs. crore

	As on March 31, 2016	As on March 31, 2017	As on March 31, 2018	As on March 31, 2019	As on March 31, 2020
<b>State Sector</b>	<b>4,13,058</b>	<b>4,10,897</b>	<b>4,49,476</b>	<b>4,75,240</b>	<b>4,87,000</b>
Andaman & Nicobar Islands	0	0	0	0	0
Andaman & Nicobar PD	0	0	0	0	0
Andhra Pradesh	15,690	13,274	15,387	18,023	26,811
APEPDCL	4,690	3,134	3,485	4,422	6,374
APSPDCL	11,000	10,140	11,903	13,601	20,436
Arunachal Pradesh	0	0	0	0	0
Arunachal PD	0	0	0	0	0
Assam	2,603	3,016	3,518	3,787	2,429
APDCL	2,603	3,016	3,518	3,787	2,429
Bihar	3,773	2,866	3,245	5,071	6,726
NBPDCL	1,865	1,394	1,700	2,487	3,081
SBPDCL	1,908	1,472	1,545	2,584	3,645
Chandigarh	0	0	0	0	0
Chandigarh PD	0	0	0	0	0
Chhattisgarh	1,559	3,453	4,293	4,167	4,102
CSPDCL	1,559	3,453	4,293	4,167	4,102
Dadra & Nagar Haveli	0	0	0	0	0
DNHPDCL	0	0	0	0	0
Daman & Diu	0	0	0	0	0
Daman & Diu PD	0	0	0	0	0
Goa	0	0	0	0	0
Goa PD	0	0	0	0	0
Gujarat	1,554	819	637	673	636
DGVCL	174	76	61	65	73
MGVCL	266	171	162	158	144
PGVCL	843	452	346	356	327
UGVCL	271	120	68	93	92
Haryana	30,017	24,720	19,304	13,005	6,864
DHBVNL	12,480	10,302	7,969	5,378	3,300
UHBVNL	17,537	14,419	11,335	7,628	3,564
Himachal Pradesh	4,882	5,008	5,228	5,382	5,549
HPSEBL	4,882	5,008	5,228	5,382	5,549
Jammu & Kashmir	0	0	0	0	0
JKPDD	0	0	0	0	0
Jharkhand	6,986	7,996	8,593	10,149	10,530
JBVNL	6,986	7,996	8,593	10,149	10,530
Karnataka	12,179	13,793	15,328	18,021	22,766
BESCOM	7,036	7,873	7,896	8,833	10,962
CHESCOM	1,193	1,579	1,836	1,815	2,408
GESCOM	848	1,044	884	1,151	2,208
HESCOM	2,329	2,374	3,624	4,986	5,913
MESCOM	772	922	1,088	1,237	1,276
Kerala	5,880	7,034	18,672	19,471	20,310
KSEBL	5,880	7,034	18,672	19,471	20,310
Lakshadweep	0	0	0	0	0
Lakshadweep ED	0	0	0	0	0
Madhya Pradesh	37,804	36,089	37,704	46,052	49,112
MPMaKVVCL	13,492	12,828	13,752	16,913	18,178
MPPaKVVCL	10,923	10,427	10,689	13,109	13,399
MPPoKVVCL	13,389	12,833	13,263	16,030	17,535
Maharashtra	21,111	27,264	29,242	35,197	39,086
MSEDCL	21,111	27,264	29,242	35,197	39,086
Manipur	139	268	270	266	262



<b>MSPDCL</b>	<b>139</b>	<b>268</b>	<b>270</b>	<b>266</b>	<b>262</b>
<b>Meghalaya</b>	<b>350</b>	<b>636</b>	<b>591</b>	<b>593</b>	<b>624</b>
<b>MePDCL</b>	<b>350</b>	<b>636</b>	<b>591</b>	<b>593</b>	<b>624</b>
<b>Mizoram</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Mizoram PD</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Nagaland</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Nagaland PD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Odisha</b>	<b>4,011</b>	<b>3,757</b>	<b>4,157</b>	<b>4,487</b>	<b>4,598</b>
<b>CESU</b>	<b>2,463</b>	<b>2,698</b>	<b>3,104</b>	<b>3,393</b>	<b>3,575</b>
<b>NESCO Utility</b>	<b>944</b>	<b>407</b>	<b>404</b>	<b>422</b>	<b>393</b>
<b>SOUTHCO Utility</b>	<b>170</b>	<b>208</b>	<b>216</b>	<b>225</b>	<b>216</b>
<b>WESCO Utility</b>	<b>434</b>	<b>444</b>	<b>433</b>	<b>447</b>	<b>415</b>
<b>Puducherry</b>	<b>74</b>	<b>106</b>	<b>120</b>	<b>156</b>	<b>179</b>
<b>Puducherry PD</b>	<b>74</b>	<b>106</b>	<b>120</b>	<b>156</b>	<b>179</b>
<b>Punjab</b>	<b>25,467</b>	<b>27,987</b>	<b>29,870</b>	<b>30,473</b>	<b>16,258</b>
<b>PSPCL</b>	<b>25,467</b>	<b>27,987</b>	<b>29,870</b>	<b>30,473</b>	<b>16,258</b>
<b>Rajasthan</b>	<b>80,746</b>	<b>73,518</b>	<b>63,564</b>	<b>54,538</b>	<b>48,934</b>
<b>AVVNL</b>	<b>26,658</b>	<b>23,965</b>	<b>20,479</b>	<b>18,634</b>	<b>15,565</b>
<b>JdVVNL</b>	<b>26,111</b>	<b>23,517</b>	<b>20,376</b>	<b>16,513</b>	<b>16,184</b>
<b>JVVNL</b>	<b>27,977</b>	<b>26,037</b>	<b>22,710</b>	<b>19,391</b>	<b>17,185</b>
<b>Sikkim</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sikkim PD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tamil Nadu</b>	<b>88,782</b>	<b>92,693</b>	<b>1,01,295</b>	<b>1,13,438</b>	<b>1,24,413</b>
<b>TANGEDCO</b>	<b>88,782</b>	<b>92,693</b>	<b>1,01,295</b>	<b>1,13,438</b>	<b>1,24,413</b>
<b>Telangana</b>	<b>13,944</b>	<b>9,049</b>	<b>14,128</b>	<b>17,638</b>	<b>21,947</b>
<b>TSNPDCL</b>	<b>5,617</b>	<b>3,860</b>	<b>5,441</b>	<b>7,143</b>	<b>9,451</b>
<b>TSSPDCL</b>	<b>8,326</b>	<b>5,189</b>	<b>8,687</b>	<b>10,495</b>	<b>12,497</b>
<b>Tripura</b>	<b>160</b>	<b>357</b>	<b>477</b>	<b>466</b>	<b>414</b>
<b>TSECL</b>	<b>160</b>	<b>357</b>	<b>477</b>	<b>466</b>	<b>414</b>
<b>Uttar Pradesh</b>	<b>39,535</b>	<b>42,091</b>	<b>58,230</b>	<b>59,212</b>	<b>58,327</b>
<b>DVVNL</b>	<b>14,672</b>	<b>14,481</b>	<b>18,837</b>	<b>17,999</b>	<b>17,001</b>
<b>KESCO</b>	<b>2,033</b>	<b>2,367</b>	<b>2,194</b>	<b>2,063</b>	<b>2,010</b>
<b>MVVNL</b>	<b>7,498</b>	<b>7,976</b>	<b>11,859</b>	<b>12,292</b>	<b>12,544</b>
<b>PaVVNL</b>	<b>6,528</b>	<b>7,208</b>	<b>10,386</b>	<b>11,300</b>	<b>11,495</b>
<b>PuVVNL</b>	<b>8,804</b>	<b>10,059</b>	<b>14,954</b>	<b>15,558</b>	<b>15,277</b>
<b>Uttarakhand</b>	<b>1,380</b>	<b>2,008</b>	<b>2,211</b>	<b>2,173</b>	<b>1,902</b>
<b>UPCL</b>	<b>1,380</b>	<b>2,008</b>	<b>2,211</b>	<b>2,173</b>	<b>1,902</b>
<b>West Bengal</b>	<b>14,402</b>	<b>13,095</b>	<b>13,412</b>	<b>12,803</b>	<b>14,222</b>
<b>WBSIEDCL</b>	<b>14,402</b>	<b>13,095</b>	<b>13,412</b>	<b>12,803</b>	<b>14,222</b>
<b>Private Sector</b>	<b>8,135</b>	<b>6,315</b>	<b>14,946</b>	<b>24,782</b>	<b>27,237</b>
<b>Delhi</b>	<b>8,135</b>	<b>6,315</b>	<b>5,192</b>	<b>4,995</b>	<b>5,631</b>
<b>BRPL</b>	<b>2,107</b>	<b>1,382</b>	<b>588</b>	<b>649</b>	<b>998</b>
<b>BYPL</b>	<b>2,120</b>	<b>1,552</b>	<b>1,334</b>	<b>1,233</b>	<b>1,174</b>
<b>TPDDL</b>	<b>3,907</b>	<b>3,381</b>	<b>3,271</b>	<b>3,113</b>	<b>3,459</b>
<b>Gujarat</b>	<b>0</b>	<b>0</b>	<b>3,162</b>	<b>3,549</b>	<b>3,677</b>
<b>Torrent Power Ahmedabad</b>	<b>0</b>	<b>0</b>	<b>2,526</b>	<b>2,890</b>	<b>3,038</b>
<b>Torrent Power Surat</b>	<b>0</b>	<b>0</b>	<b>636</b>	<b>658</b>	<b>639</b>
<b>Maharashtra</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,855</b>	<b>11,168</b>
<b>AEML</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,855</b>	<b>11,168</b>
<b>Uttar Pradesh</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NPCL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>West Bengal</b>	<b>0</b>	<b>0</b>	<b>6,592</b>	<b>6,383</b>	<b>6,761</b>
<b>CESC</b>	<b>0</b>	<b>0</b>	<b>5,947</b>	<b>6,045</b>	<b>6,453</b>
<b>IPCL</b>	<b>0</b>	<b>0</b>	<b>645</b>	<b>338</b>	<b>308</b>
<b>Grand Total</b>	<b>4,21,193</b>	<b>4,17,212</b>	<b>4,64,422</b>	<b>5,00,022</b>	<b>5,14,237</b>

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**ANNEXURE REFERRED TO IN REPLY TO PART (f) OF UNSTARRED QUESTION  
NO. 887 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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**As on 31.03.2022**

**Status of Smart Metering System under IPDS for UDAY States**

**Sanction Details**

Sl. No.	State	Utility	Total Sanctioned Cost with PMA (Rs.Cr)	No. of Nodes
1	Andhra Pradesh	APEPDCL	57.17	2,84,444
2		APSPDCL	5.02	25,000
3	Bihar	NBPDCL	70.49	3,50,700
4		SBPDCL	87.35	4,34,600
5	Chhattisgarh	CSPDCL	36.58	1,81,997
6	Gujarat	DGVCL	6.61	32,882
7		MGVCL	20.10	1,00,000
8		PGVCL	18.10	90,051
9		UGVCL	7.83	38,950
10	Himachal Pradesh	HPSEBL	27.27	1,35,716
11	Karnataka	CESCOM	66.90	3,32,850
12		HESCOM	68.96	3,43,100
13	Kerala	KSEBL	64.68	3,21,800
14	Madhya Pradesh	MPPKVVCL-W	69.44	3,45,463
15	Maharashtra	MSEDCL	80.40	4,00,000
16	Punjab	PSPCL	17.71	88,100
17	Rajasthan	AjVVNL	37.96	1,88,860
18		JaVVNL	56.64	2,81,782
19		JoVVNL	19.53	97,158
20	Telangana	TSNPDCL	13.06	65,000
21		TSSPDCL	2.61	13,000
	<b>Total</b>		<b>834.41</b>	<b>41,51,453</b>

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.909  
ANSWERED ON 21.07.2022  
ELECTRIFICATION OF VILLAGES**

**†909. SHRI GUMAN SINGH DAMOR:**

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

- (a) the details of national policy of electrification in villages, majras, tolas and paras of the country;**
- (b) whether there is a provision to give priority to Scheduled Caste (SC) and Scheduled Tribe (ST) dominated villages for electrification;**
- (c) if so, the details thereof and if not, the steps taken/being taken by the Government in this regard;**
- (d) whether SC and ST dominated majras, paras and tolas of Ratlam, Jhabua and Alirajpur districts of Madhya Pradesh are yet to be electrified;**
- (e) if so, the details thereof and the time by which it is likely to be done; and**
- (f) the details of the amount provisioned in this regard during the current financial year?**

**A N S W E R**

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

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

**(a) to (f) : Under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and thereafter under Pradhan Mantri Sahaj Bijli Har Ghar Yojana (Saubhagya), since now closed on 31.03.2022, all States had already declared electrification of all Villages as on 28<sup>th</sup> April, 2018 and all willing Households as on 31<sup>st</sup> March, 2019 respectively. Under DDUGJY, free electricity connections were provided to all the BPL households (including Scheduled Caste (SC) and Scheduled Tribe (ST) dominant villages) in rural areas and left out un-electrified BPL households were eligible for electrification under Saubhagya.**

**While a total of 18,374 Villages (422 in Madhya Pradesh) were electrified under DDUGJY, a total of 2.86 crore Households (19,84,264 households of Madhya Pradesh) were electrified under the aegis of Saubhagya including additional households in two tranches that became willing after 31.03.2019 but were unwilling for electrification earlier. As reported by the State Government of Madhya Pradesh, SC and ST dominated majras, paras and tolas of Ratlam, Jhabua and Alirajpur districts of Madhya Pradesh stand electrified.**

**While fresh arisings of new households is a continuous process and electrification of such households is expected to be taken care of by the Distribution Utilities, the Government of India stands committed to help the States electrify all households identified before Saubhagya. In this respect, the Government of India has recently issued guidelines for their electrification under the Revamped Distribution Sector Scheme (RDSS). States have been advised to pose their DPRs to the Ministry of Power in this regard.**

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.910  
ANSWERED ON 21.07.2022**

**USE OF RENEWABLE ENERGY FOR CHARGING ELECTRIC VEHICLES**

**†910. SHRI RAKESH SINGH:**

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

- (a) whether the conventionally generated electricity to charge the batteries used in electric vehicles in the country produces a lot of carbon emissions;**
- (b) if so, the details thereof;**
- (c) whether the Government has formulated any scheme to generate electricity from renewable energy for charging electric vehicles from the point of view of environmental protection and if so, the details thereof; and**
- (d) whether the Government has set any targets in this regard and if so, the details thereof?**

**A N S W E R**

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

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

**(a) & (b) : The Charging Stations take connection from DISCOMs which in turn take the supply of electricity from the Grid. The power is supplied to grid from both Non-Renewable and Renewable Sources and this power is used for charging the Electric Vehicles (EVs).**

**As per the “CO<sub>2</sub> Baseline Database for the Indian Power Sector” prepared by the Central Electricity Authority (CEA), the weighted average specific emissions for Coal based stations over the last 8 years can be seen at Annexure.**

**(c) & (d) : Ministry of Power issued the revised consolidated Guidelines & Standards for charging infrastructure on 14.01.2022. Para 2.2 of the guidelines provides that any Public Charging Station/Chain of Charging Stations may obtain electricity from any generation company through open access. Open access shall be provided within 15 days for this purpose. The provision allowing Open Access would enable the Renewable Energy to be utilized for the purpose of Charging of Electric Vehicles through these Public Charging Stations (PCS).**

**The total installed capacity of Renewable Energy Sources (RES) other than large hydro plants in India as on 30.06.2022 is 114064.01 MW. This would enable the Renewable Energy so generated to be utilized for various purposes including for Charging of Electric Vehicles.**

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**ANNEXURE**

**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 910 ANSWERED IN THE LOK SABHA ON 21.07.2022**

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<b>Weighted average specific emission tCo2/MWh</b>								
<b>Sl. No</b>	<b>Financial Year</b>							
	<b>FY 2013-14</b>	<b>FY 2014-15</b>	<b>FY 2015-16</b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>	<b>FY 2020-21</b>
<b>1</b>	<b>1.03</b>	<b>1.01</b>	<b>0.99</b>	<b>0.98</b>	<b>0.97</b>	<b>0.98</b>	<b>0.98</b>	<b>0.97</b>

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**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.915  
ANSWERED ON 21.07.2022**

**BACK-DOWN OF POWER BY GRID OPERATORS**

**915. SHRI THIRUMAAVALAVAN THOL:**

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

- (a) whether the Ministry is aware of the back-down of power by the grid operators in the country;**
- (b) if so, the details of back-down of power by grid operators in each State and in each coal mine along with the amount of loss incurred to the new and renewable energy power generating companies as a result thereof; and**
- (c) the steps taken by the Government, if any, to stop requests of back-down of power by the grid operators?**

**A N S W E R**

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

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

**(a) to (c) : The principles of grid operation are outlined in the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010, and the amendments thereof. As per Clause 5.4.2 (h) of the subject Regulations, all users, State Load Despatch Center (SLDC)/ State Electricity Board (SEB)/distribution licensee or bulk consumer shall comply with direction of Regional Load Despatch Centre (RLDC)/State Load Despatch Centre (SLDC) and carry out requisite load shedding or backing down of generation in case of congestion in transmission system to ensure safety and reliability of the system. Further, as per Clause 5.2(u) of the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010, the System operator (SLDC/ RLDC) shall make all efforts to evacuate the available solar and wind power and treat as a must-run station. However, System operator may instruct the solar /wind generator to back-down generation on consideration of grid security or safety of any equipment or personnel is endangered and Solar/ wind generator shall comply with the same.**

**As per the information furnished by NLDC/POSOCO, the total RE Curtailment on All India basis has been less than 0.30% of total RE Generation during the year 2021 and there has been negligible RE curtailment in year 2022, till date. Further, the RE curtailment is stated to have been reported in State control areas and mostly on account of high frequency coupled with under drawl by the States.**

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